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2

TECHNICAL SUPPORT FOR ROCKY MOUNTAIN ARSENAL

Offpost Operable Unit
Remedial Investigation

Draft Final Addendum

Volume II of II

November 1991
Contract Number DAAA15-88-0021

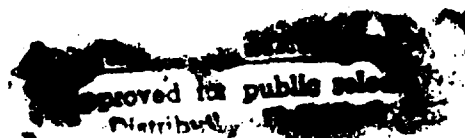
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PREPARED BY

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Environmental Science and Engineering

PREPARED FOR

PROGRAM MANAGER FOR ROCKY MOUNTAIN ARSENAL



94-00479

THIS DOCUMENT IS INTENDED TO COMPLY WITH THE NATIONAL
ENVIRONMENTAL POLICY ACT OF 1969.

THE INFORMATION AND CONCLUSIONS PRESENTED IN THIS REPORT REPRESENT
THE OFFICIAL POSITION OF THE DEPARTMENT OF THE ARMY UNLESS EXPRESSLY
MODIFIED BY A SUBSEQUENT DOCUMENT. THIS REPORT CONSTITUTES THE
RELEVANT PORTION OF THE ADMINISTRATION RECORD FOR THIS CERCLA
OPERABLE UNIT.

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REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
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12a. DISTRIBUTION/AVAILABILITY STATEMENT APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) THE PURPOSE OF THIS REPORT IS TO FURTHER CHARACTERIZE THE NATURE AND EXTENT OF RMA DERIVED CONTAMINANTS OFFPOST IN GROUNDWATER, SURFACE WATER, SEDIMENT, SOIL AND BIOTA. RI ADDENDUM ACTIVITIES INCLUDED COLLECTING AND EVALUATION PHYSICAL CHEMICAL DATA, AND WHERE NECESSARY, UPDATING INTERPRETATIONS OF CONTAMINANT DISTRIBUTION OFFPOST.				
14. SUBJECT TERMS BIOTA, WATER, SOIL			15. NUMBER OF PAGES	
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Appendix A

LITHOLOGIC LOGS, CONSTRUCTION SUMMARIES, COMPLETION REPORTS AND SURVEY DATA

DTIC QUALITY INSPECTED 81

Accession For	
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By	
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Dist	Avail and/or Special
A-1	

TOP OF CASING

ELEVATION 5092.06 ft.

EQUIPMENT

B-57 MobileELEVATION 5090.6 ft.DATE 11/9/89**GROUND SURFACE**Top of Casing at 1.8 ft.
above ground level12 1/4-In.-Dia. Borehole 0
to 45 ft.4-In.-Dia. Schedule 40 PVC
Blank Casing +1.8 to 29 ft.Bentonite-Cement Seal 0 to
20 ft.Bentonite-Pellet Seal 20 to
25.5 ft.CSSI 10-20 Sandpack 25.5 to
45 ft.4-In.-Dia. Slotted Screen
(0.020 Inch) 29 to 44 ft.Depth (ft.)
Sample

0

5

10

15

20

25

30

35

40

SM, silty sand, 5 YR 5/6 - medium brown, non-plastic,
loose, dry, alluvium

Occasional coarse grained sand

SM, silty sand, 20% silt, 5% clay, very fine to fine grained,
5 YR 4/4 - medium brown, non-plastic, loose, moist,
alluvium**SC**, clayey sand, 20% clay, 5 YR 3/4 - medium brown,
slightly plastic, very soft, moist, alluvium

Silty sand lenses of 0.5 feet at 15 and 17.5 feet

SP, sand, fine to medium grained, trace silt, 5 YR 6/4 -
light brown, non-plastic, loose, moist, alluvium**SM**, silty clayey sand, 40% silt, 20% clay, 5 YR 5/2 - pale
brown, slightly plastic, very soft, moist, alluvium

Color changes to 10 YR 6/2 - pale yellow brown

Organic material and mottled iron-staining

Moisture increases to wet

Decreasing sand content

▽ Water Level at 31.5 feet - 11/09/89

SW, gravelly sand, very coarse sand, trace silt, trace clay, 5
YR 6/4 - light brown, non-plastic, loose, saturated,
alluvium

Clay lense at 32.5 feet

No recovery - flowing sand

Notes: See Detail A for surface
completion.
All PID readings equal to
background.
Munsell color chart used.

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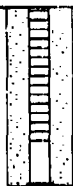
4-In.
3-In.
Bottom
Hole

(Continuation of Well)

4-In.-Dia. Schedule 40 PVC
Blank Silt Trap 44 to 45 ft.

Bottom Well Cap at 45 ft.

Hole Cleaned Out to 45 ft.



Depth (ft.)
Sample

40

45

50

55

60

65

70

75

80

(Continuation of Log)

Increasing gravel content

Increasing clay content

CLAYSTONE, 10 YR 2/2 - yellow brown, low hardness,
weak, slightly fissile, bedrock

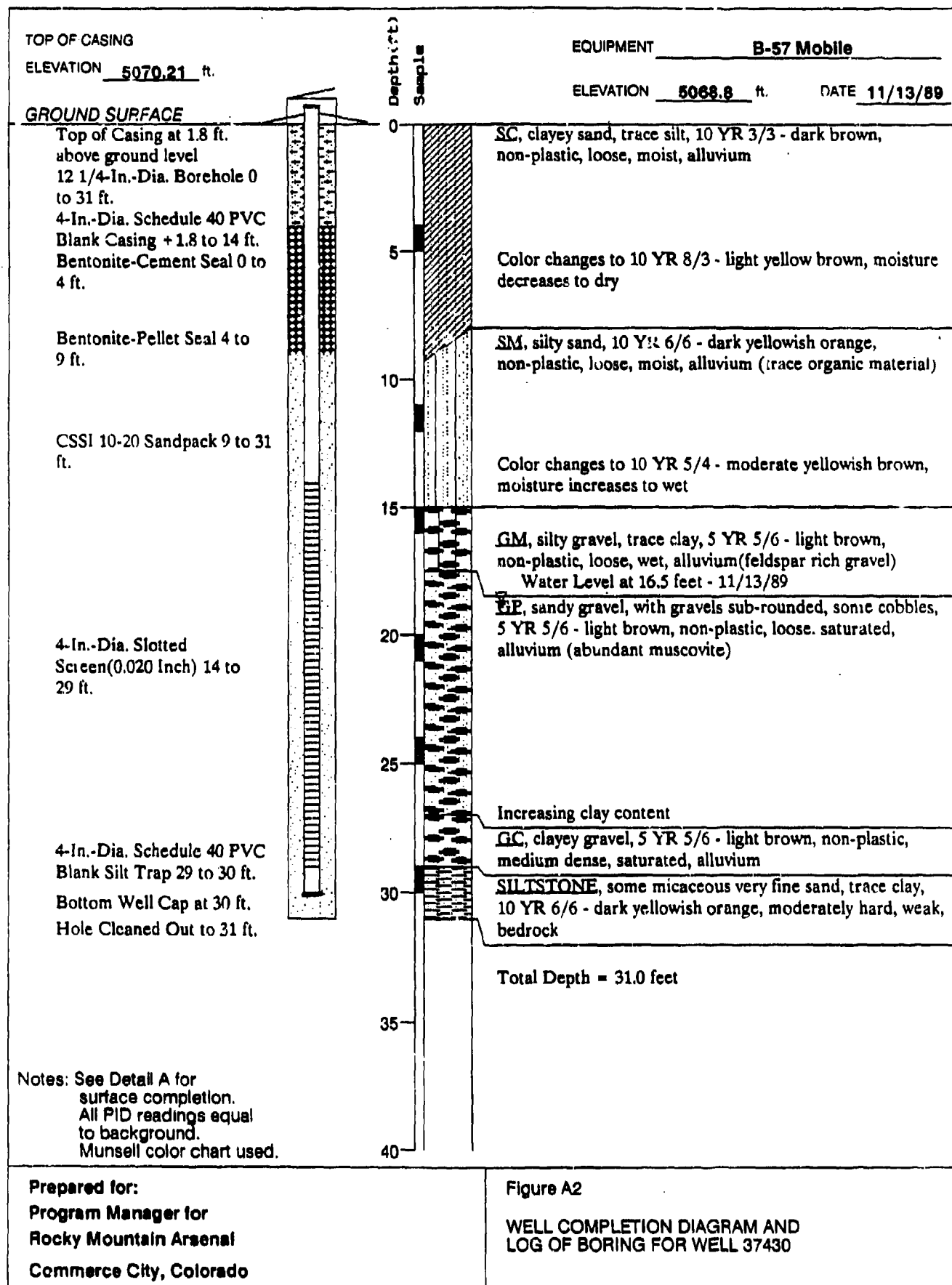
Total Depth = 46.0 feet

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Prepared for:
Program Manager for
Rocky Mountain Arsenal
Commerce City, Colorado

Figure A1

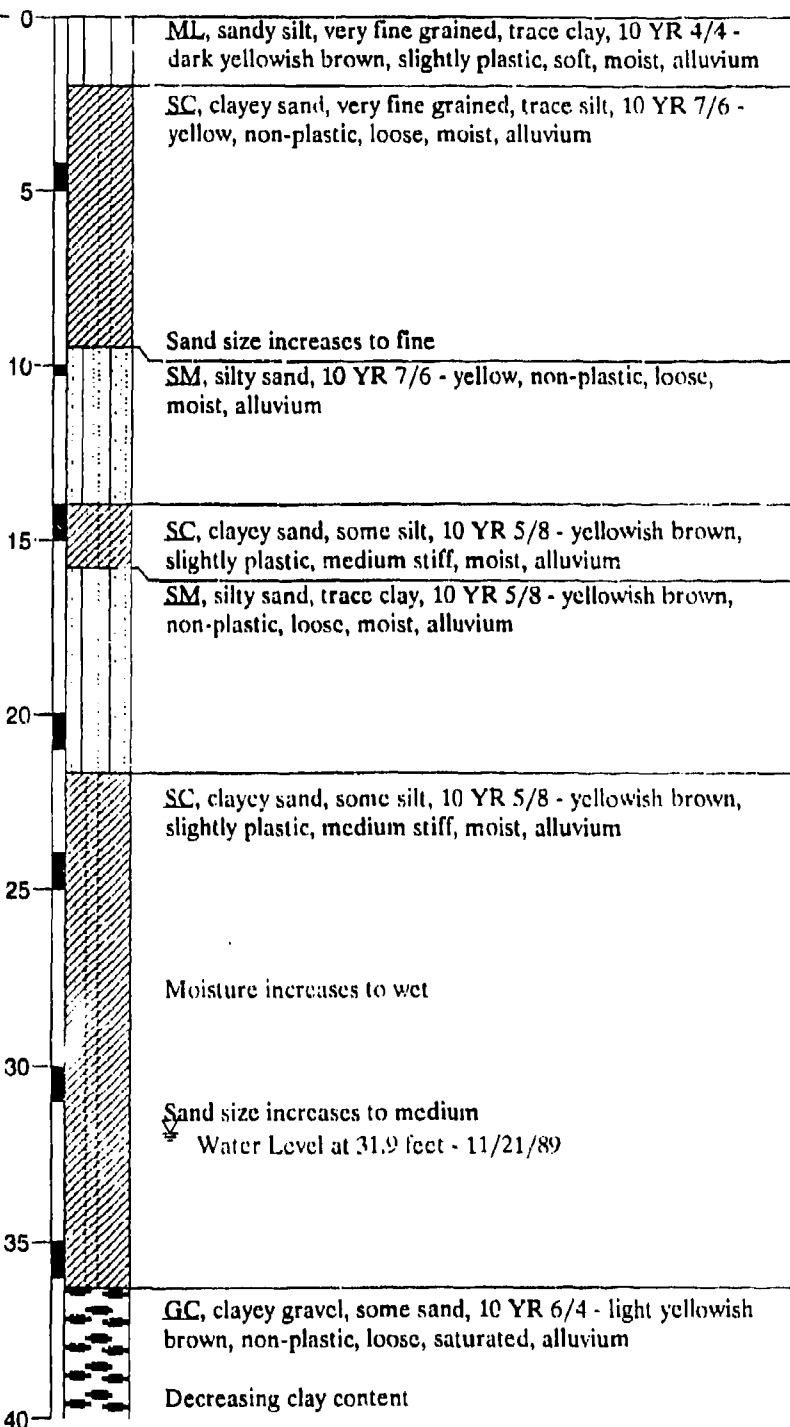
WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37429



TOP OF CASING

ELEVATION 5101.55 ft.

EQUIPMENT

B-57 MobileELEVATION 5100.0 ft.DATE 11/21/89**GROUND SURFACE**Top of Casing at 1.9 ft.
above ground level12 1/4-In.-Dia. Borehole 0
to 48 ft.4-In.-Dia. Schedule 40 PVC
Blank Casing +1.9 to 31 ft.Bentonite-Cement Seal 0 to
21 ft.Bentonite-Pellet Seal 21 to
26 ft.CSSI 10-20 Sandpack 26 to
48 ft.4-In.-Dia. Slotted Screen
(0.020 Inch) 31 to 45 ft.Depth (ft)
Sample

Notes: See Detail A for surface completion.
All PID readings equal to background.
Munsell color chart used.

(Continuation of Well)

(Continuation of Log)

4-In.-Dia. Schedule 40 PVC
Blank Silt Trap 45 to 46 ft.
Bottom Well Cap at 46 ft.

Hole Cleaned Out to 48 ft.



Depth (ft)
Sample

40
45
50
55
60
65
70
75
80

GP, sandy gravel, trace silt, 10 YR 7/3 - pale brown, loose, saturated, alluvium (some arkose gravel)

SHALE, 2.5 YR 1/5 - gray, hard, moderately strong, massive, bedrock

Total Depth = 48.0 feet

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Program Manager for
Rocky Mountain Arsenal
Commerce City, Colorado

Figure A3

WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37433

TOP OF CASING

ELEVATION 5089.85 ft.EQUIPMENT B-57 MobileELEVATION 5090.31 ft. DATE 11/14/89

GROUND SURFACE

Top of Casing at ground level

12 1/4-In.-Dia. Borehole 0 to 52 ft.

4-In.-Dia. Schedule 40 PVC Blank Casing 0 to 33 ft.

Bentonite-Cement Seal 3 to 22.7 ft.

Bentonite-Pellet Seal 22.7 to 28 ft.

CSSI 10-20 Sandpack 28 to 52 ft.

4-In.-Dia. Slotted Screen (0.020 Inch) 33 to 48 ft.

Depth (ft)
Sample

0	ML, sandy silt, very fine grained, trace clay, 10 YR 5/8 - yellowish brown, slightly plastic, soft, moist, alluvium
5	SM, silty sand, 10 YR 5/8 - yellowish brown, non-plastic, loose, moist, alluvium
	SP, sand, fine to medium grained, 10 YR 5/8 - yellowish brown, non-plastic, loose, moist, alluvium
10	SW, sand, fine to coarse grained, trace silt, 10 YR 5/8 - yellowish brown, non-plastic, loose, moist, alluvium
	SC, clayey sand, 10 YR 7/8 - yellow, non-plastic, moderately dense, moist, alluvium
15	SM, silty sand, 10 YR 5/8 - yellowish brown, non-plastic, loose, moist, alluvium
	Increasing clay content
20	SP, sand, fine grained, 10 YR 8/8 - yellow, non-plastic, loose, moist, alluvium
25	Color changes to 10 YR 8/4 - very pale brown
30	Increasing clay content
	SM, silty sand, trace clay, 5 YR 4/4 - reddish brown, non-plastic, moderately dense, moist, alluvium (little muscovite)
35	SW, gravelly sand, coarse grained, 10 YR 6/8 - brownish yellow, loose, wet, alluvium
	▽ Water Level at 34.7 feet - 11/14/89
40	GP, sandy gravel, 2.5 YR 5/8 - red, non-plastic, loose, saturated, alluvium (arkose rich gravels)

Notes: See Detail B for surface completion.
All PID readings equal to background
Munsell color chart used.

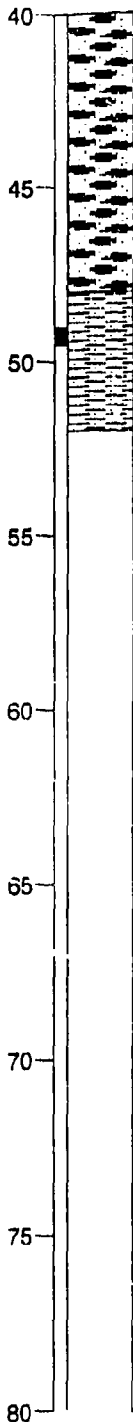
(Continuation of Well)

(Continuation of Log)

4-In.-Dia. Schedule 40 PVC
Blank Silt Trap 48 to 49 ft.
Bottom Well Cap at 49 ft.

Hole Cleaned Out to 52 ft.

Depth (ft)
Sample



CLAYSTONE, with some gravels, hard, moderately strong, bedrock

Total Depth = 52.0 feet

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Program Manager for
Rocky Mountain Arsenal
Commerce City, Colorado

Figure A4
WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37434

TOP OF CASING

ELEVATION 5091.10 ft.EQUIPMENT B-57 MobileELEVATION 5091.2 ft. DATE 11/17/89**GROUND SURFACE**Top of Casing at 0.2 ft.
above ground level12 1/4-In.-Dia. Borehole 0
to 44 ft.4-In.-Dia. Schedule 40 PVC
Pipe; Casing +0.2 to 31 ft.Bentonite-Cement Seal 0 to
21 ft.Bentonite-Pellet Seal 21 to
26 ft.CSSI 10-20 Sandpack 26 to
44 ft.4-In.-Dia. Slotted Screen
(0.020 Inch) 31 to 42 ft.Depth (ft)
Sample

0

5

10

15

20

25

30

35

40

ML, sandy silt, very fine grained, trace clay, 5 YR 3/2 -
dark reddish brown, slightly plastic, soft, moist, alluvium**SM**, silty sand, fine grained, 10 YR 7/8 - yellow,
non-plastic, loose, moist, alluvium

Decreasing silt content

Sand size changes to medium

SP, sand, medium grained, 10 YR 7/8 - yellow, non-plastic,
loose, moist, alluvium**ML**, clayey silt, 10 YR 4/6 - dark yellowish brown,
non-plastic, loose, moist, alluvium**SC**, clayey sand, medium grained, 10 YR 5/8 - yellowish
brown, slightly plastic, medium stiff, moist, alluvium
Sand size changes to coarse grained

Color changes to 10 YR 7/6 - yellow

SP, sand, fine grained, 10 YR 7/8 - yellow, non-plastic,
loose, moist, alluvium

Sand size changes to very fine

Moisture increases to wet

Water Level at 32.0 feet - 11/17/89

GC, clayey gravel, little sand, 10 YR 8/4 - very pale brown,
non-plastic, loose, saturated, alluvium

Notes: See Detail B for
surface completion.
All PID readings equal to
background
Munsell color chart used.

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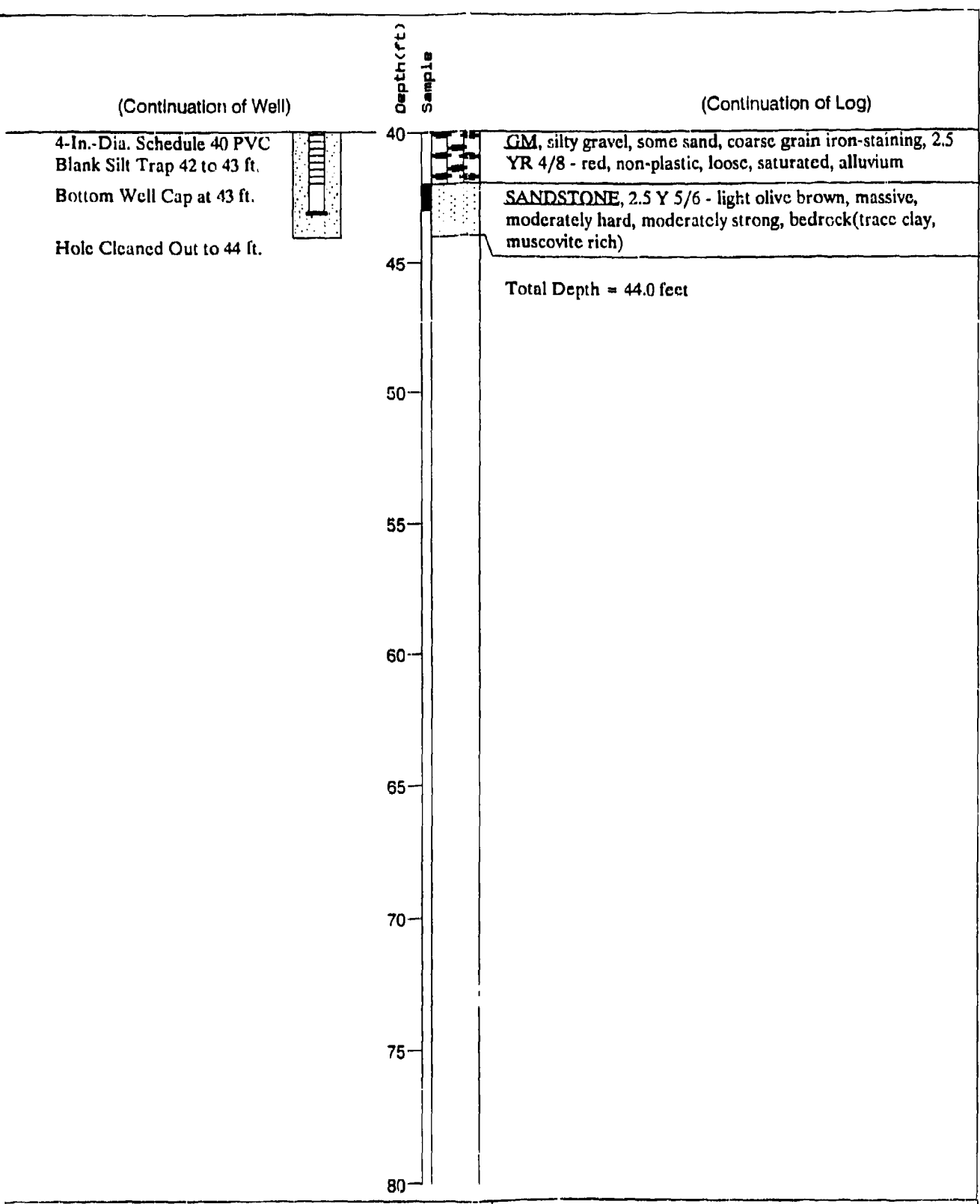
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Rocky Mountain Arsenal
Commerce City, Colorado

Figure A5
WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37435

TOP OF CASING

ELEVATION 5116.04 ft.EQUIPMENT B-57 MobileELEVATION 5116.89 ft. DATE 11/27/89**GROUND SURFACE**

Top of Casing at ground level

12 1/4-In. Dia. Borehole 0 to 58 ft.

4-In.-Dia. Schedule 40 PVC Blank Casing 0 to 28 ft.

Bentonite Cement Seal 0 to 20 ft

Bentonite Pellet Seal 20 to 25 ft

CSSL 10-20 Sandpack 25 to 58 ft

4-In. Dia. Slotted Screen
(1 1/2" Inch) 28 to 55 ftDepth (ft.)
Sample

0

5

10

15

20

25

30

35

40

ML, sandy silt, very fine grained, trace clay, 10 YR 4/4 - dark yellowish brown, non-plastic, medium dense, dry, alluvium

SC, clayey sand, 10 YR 7/6 - yellow, non-plastic, loose, dry, alluvium

ML, clayey silt, trace sand, 10 YR 8/6 - yellow, slightly plastic, medium stiff, moist, alluvium

SM, silty sand, 10 YR 8/8 - yellow, non-plastic, loose, moist, alluvium

Increasing clay content

SC, clayey sand, some silt, 10 YR 5/4 - yellowish brown, slightly plastic, medium stiff, moist, alluvium

ML, clayey silt, some very fine grained sand, 10 YR 5/4 - yellowish brown, slightly plastic, medium stiff, moist, alluvium

Color changes to 10 YR 7/2 - light gray with heavy oxide staining

Moisture increases to wet

Water Level at 280 feet - 11' 2" 80

GM, silty gravels, sub-rounded gravels and sand, 10 YR 6/3 - pale brown, non-plastic, loose, saturated, alluvium, (at base pebbles)

GP, sandy gravels, little cobbles, trace silt, 10 YR 8/6 - yellow, non-plastic, loose, saturated, alluvium

Notes: See Detail B for
surface completion
All FID readings equal to
background
Munsell color chart used

/89

(Continuation of Well)

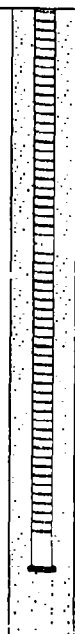
(Continuation of Log)

dry,

4-in.
Blk
Bot
Hole

4-In.-Dia. Schedule 40 PVC
Blank Silt Trap 55 to 56 ft.
Bottom Well Cap at 56 ft.

Hole Cleaned Out to 58 ft.



Depth (ft)
Sample

40
45
50
55
60
65
70
75
80

Increasing silt content

SHALE, blue, low hardness, massive, weathered, weak, bedrock

Total Depth = 58.0 feet

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Progra
Rocky
Comm

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Rocky Mountain Arsenal
Commerce City, Colorado

Figure A6

WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37436

TOP OF CASING

ELEVATION 5119.56 ft.

EQUIPMENT

B-57 MobileELEVATION 5120.12 ft.DATE 11/28/89**GROUND SURFACE**

Top of Casing at ground level

12 1/4-In.-Dia. Borehole 0 to 55 ft.

4-In.-Dia. Schedule 40 PVC Blank Casing 0 to 32 ft.

Bentonite-Cement Seal 1 to 23 ft.

Bentonite-Pellet Seal 23 to 28 ft.

CSSI 10-20 Sandpack 28 to 54 ft.

4-In.-Dia. Slotted Screen (0.020 Inch) 32 to 52 ft.

Depth (ft)
Sample0
5
10
15
20
25
30
35
40ML, sandy silt, very fine grained, trace clay, 10 YR 4/4 - dark yellowish brown, non-plastic, medium dense, dry, alluvium

Color changes to 10 YR 8/6 - yellow

Moisture increases to moist

Plasticity changes to slightly plastic

SM, silty sand, trace clay, 10 YR 5/8 - yellow, non-plastic, loose, moist, alluvium
Clayey sand lense at 13.0 feetML, clayey silt, some fine sand, 10 YR 5/4 - yellowish brown, slightly plastic, medium stiff, moist, alluvium

Intermittant sand lenses

Color changes to 10 YR 4/6 - dark yellowish brown

CL, silty clay, 10 YR 7/3 - very pale brown with occasional oxide staining, slightly plastic, stiff, moist, alluvium
Color changes to 10 YR 7/2 - light gray with heavy oxide staining
Moisture increases to wet

Water Level at 33.0 feet - 11/28/89

GM, silty gravels, arkose rich - sub-rounded gravels, 10 YR 6/3 - pale brown, non-plastic, loose, saturated, alluvium

Notes: See Detail B for surface completion.
All PID readings equal to background
Munsell color chart used.

3/89

(Continuation of Well)

(Continuation of Log)

Depth (ft)
Sample

40

No recovery - flowing sand

GP, gravel, 10 YR 6/3 - pale brown, non-plastic, loose, saturated, alluvium

45

50

SHALE, olive brown, soft, massive, weathered, weak, bedrock

55

Total Depth = 54.0 feet

60

65

70

75

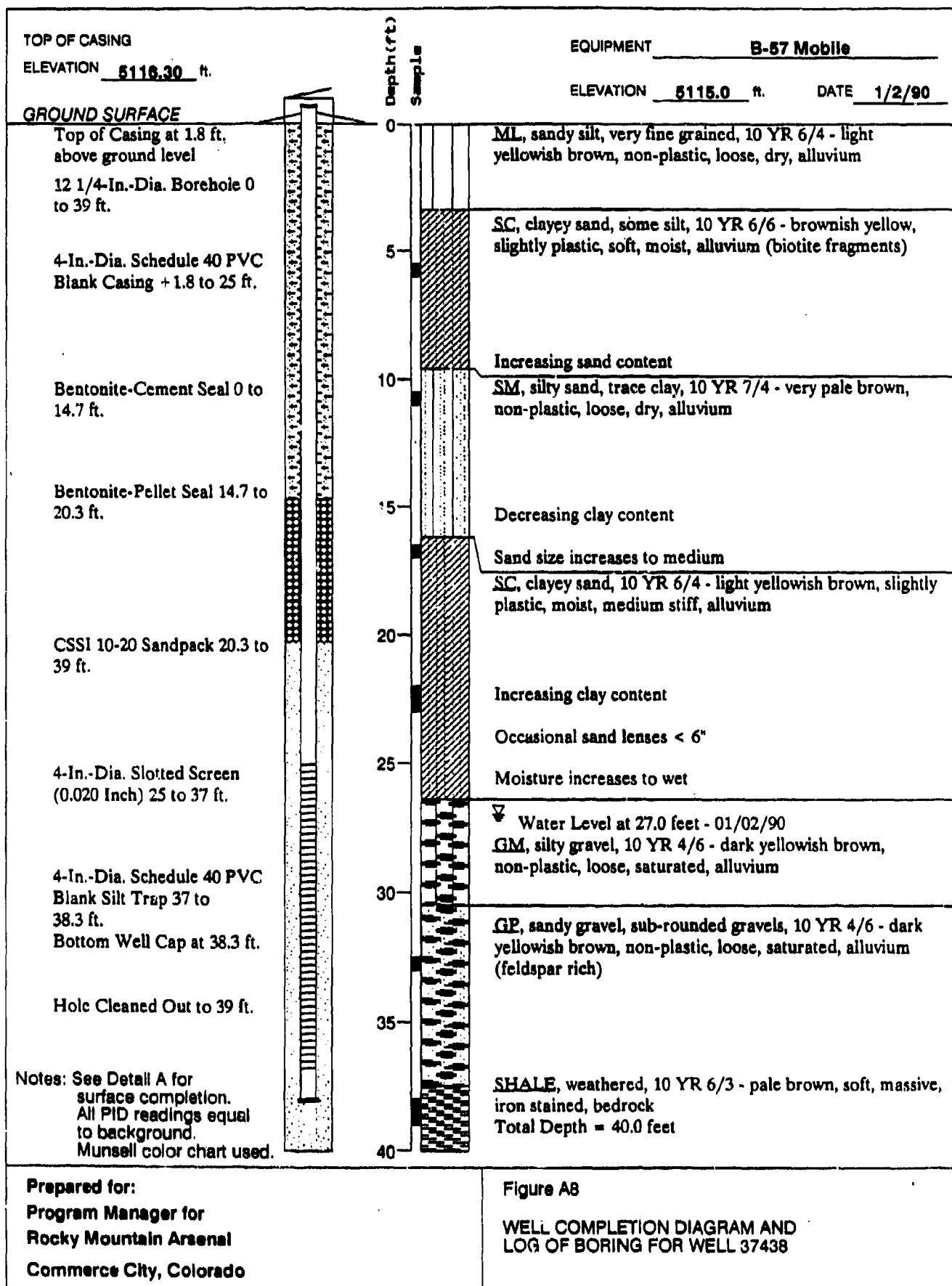
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4-In.-Dia. Schedule 40 PVC
Blank Silt Trap 52 to 53 ft.
Bottom Well Cap at 53 ft.
Hole Cleaned Out to 54 ft.

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Rocky Mountain Arsenal
Commerce City, Colorado

Figure A7

WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37437



TOP OF CASING

ELEVATION 5108.98 ft.

EQUIPMENT

B-57 Mobile

ELEVATION

5107.4 ft.

DATE

1/4/90

GROUND SURFACE

Top of Casing at 2.0 ft.
above ground level

12 1/4-In.-Dia. Borehole 0
to 48

4-In.-Dia. Schedule 40 PVC
Black Casing +2.0 to 26 ft.

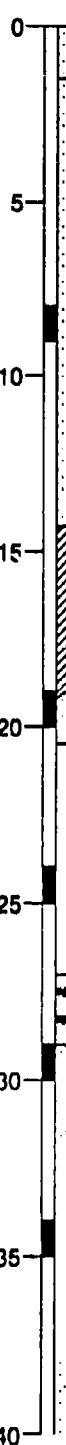
Bentonite-Cement Seal 0 to
16.4 ft.

Bentonite-Pellet Seal 16.4 to
21 ft.

CSSI 10-20 Sandpack 21 to
48 ft.

4-In.-Dia. Slotted Screen
(0.020 Inch) 26 to 46 ft.

Depth (ft)
Sample



SW, sand, medium to coarse grained, trace gravel and
organics, 7.5 YR 3/2 - very dark brown, non-plastic,
medium dense, roadbase/fill

SP, sand, very fine grained, little silt and clay, 5 YR 3/4 -
dark reddish brown, slightly plastic, loose, moist, alluvium

Oxide staining along root canals

Sand size increases to medium grained

Color changes to 10 YR 6/8 - brownish yellow

Silty clay lenses

CL, silty clay, 10 YR 4/6 - dark yellowish brown, slightly
plastic, stiff, moist, alluvium

White chemical precipitates observed

SW, sand, very fine to medium grained, trace coarse, trace
silt and clay, 10 YR 6/4 - light yellowish brown,
non-plastic, loose, moist, alluvium (mottling - rusty brown,
mica grains)

ML, sandy silt, very fine grained, little clay, 10 YR 5/3 -
brown, slightly plastic, medium stiff, moist, alluvium

Color changes to 10 YR 6/2 - light brownish gray - oxide
staining

Water Level at 27.5 feet - 01/04/90

GP, sandy gravel, medium to coarse grained, 10 YR 5/2 -
grayish brown with oxide staining, loose, saturated,
alluvium

SW, sand, fine to coarse grained, trace gravel, 10 YR 4/6 -
dark yellowish brown, non-plastic, loose, saturated,
alluvium

Notes: See Detail A for surface
completion.
All PID readings equal to
background.
Munsell color chart used.

(Continuation of Well)

Depth (ft)
Sample

(Continuation of Log)

4-In.-Dia. Schedule 40 PVC
Blank Silt Trap 46 to 47 ft.
Bottom Well Cap at 47 ft.

Hole Cleaned Out to 48 ft.



40

45

50

55

60

65

70

75

80

No recovery- flowing sand

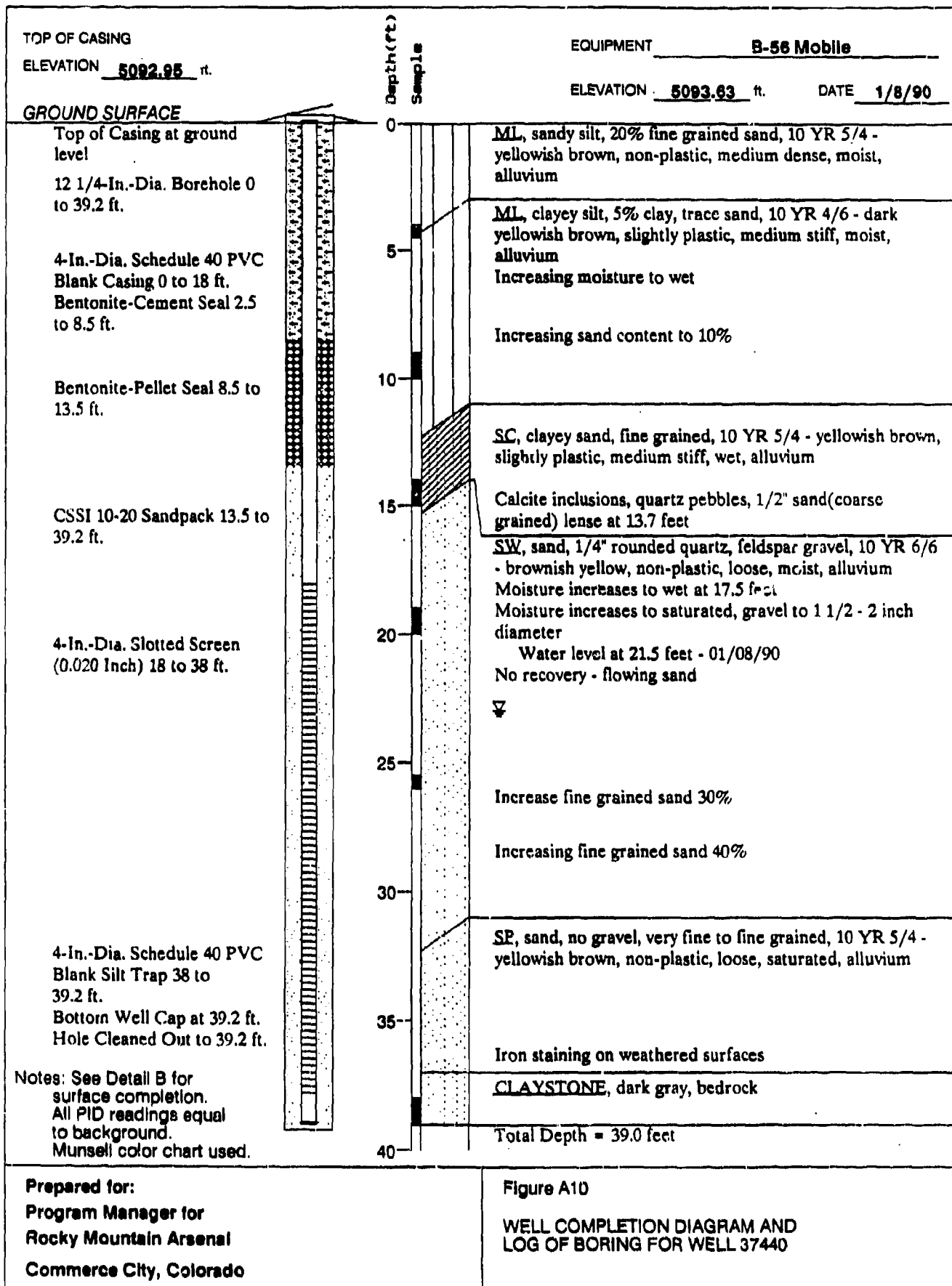
CLAYSTONE, 2.5 YR 3/0 - very dark gray, intensely fractured, low hardness, weak, highly weathered, bedrock

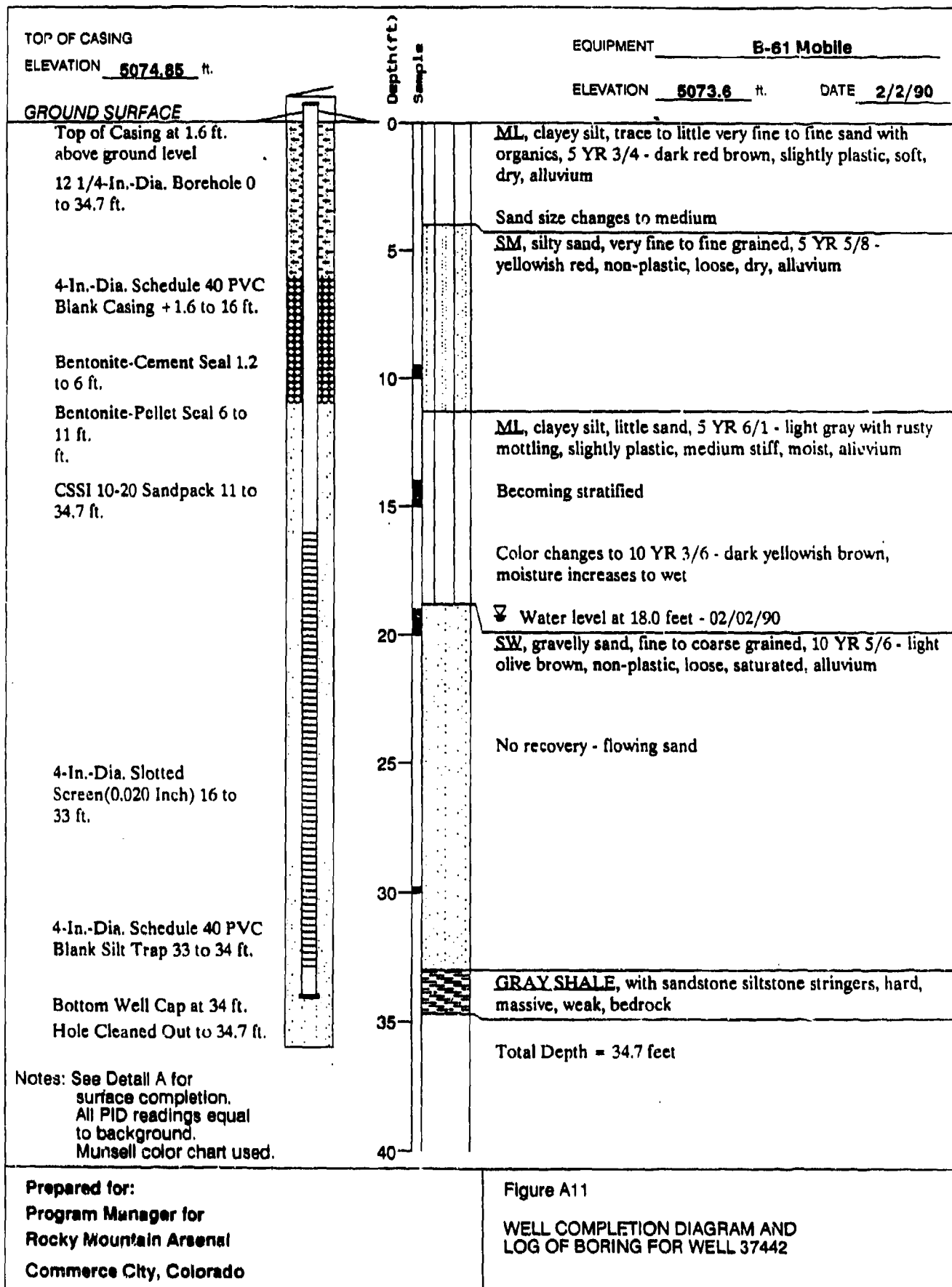
Total Depth = 48.0 feet

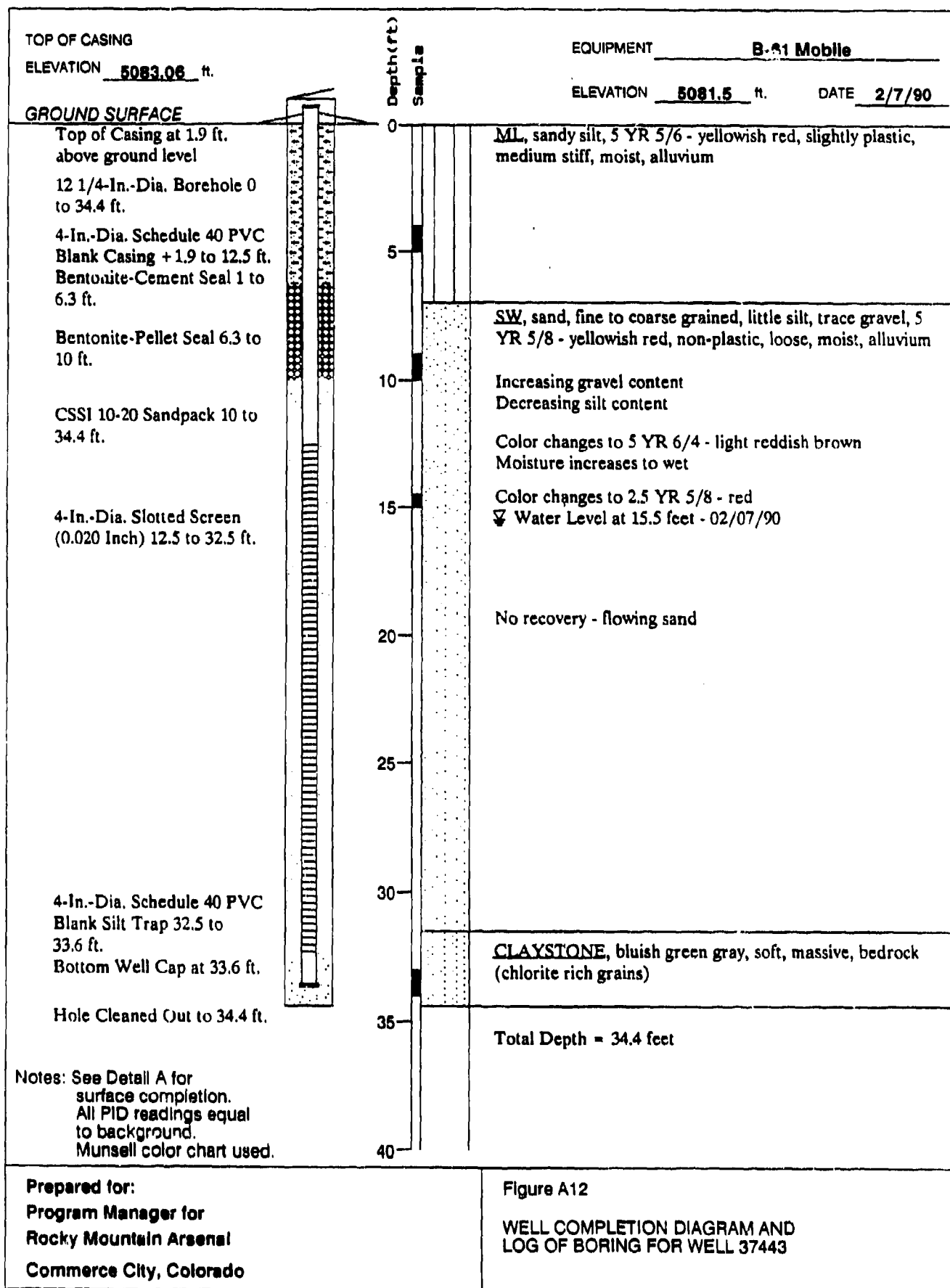
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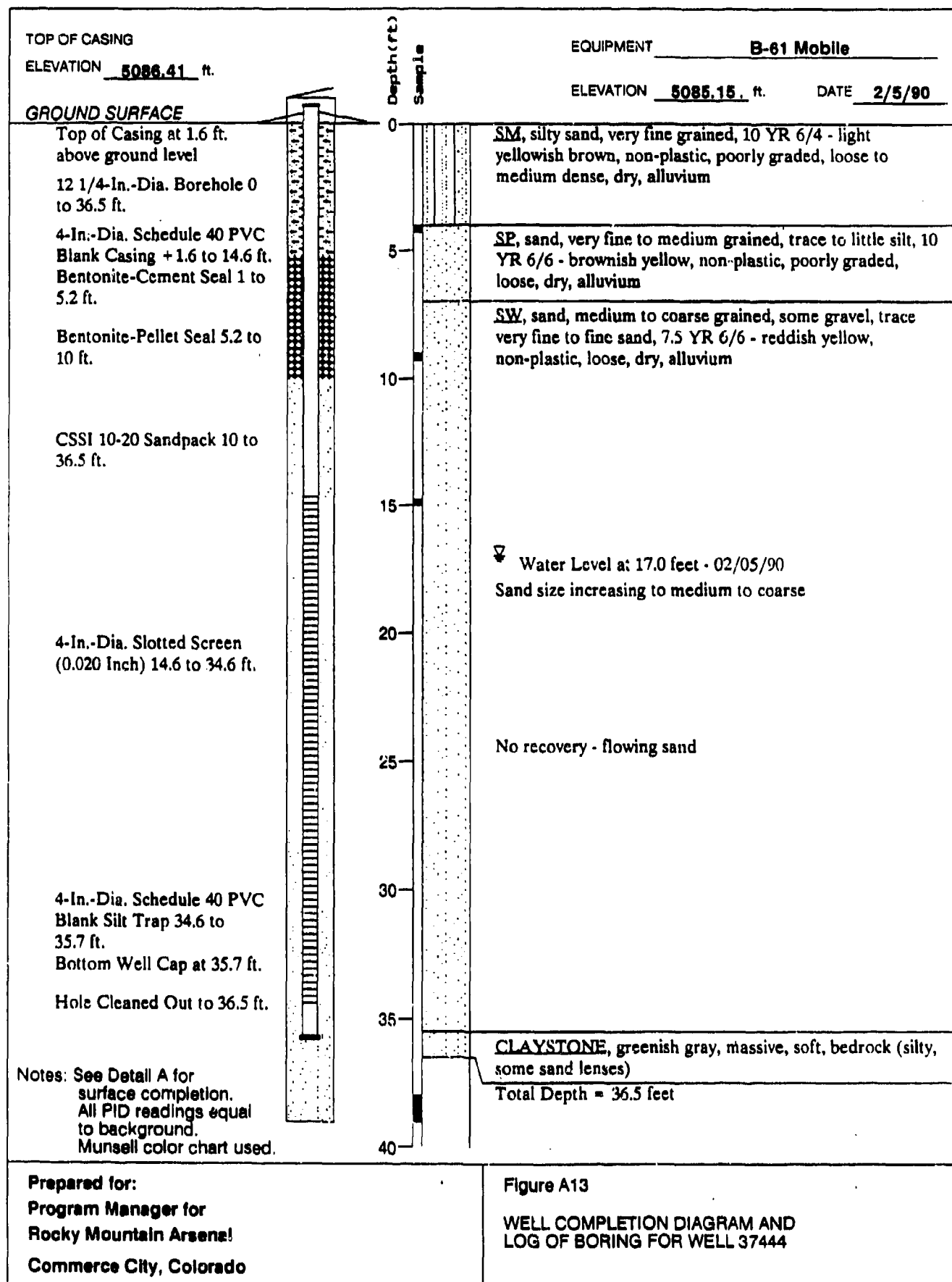
Figure A9

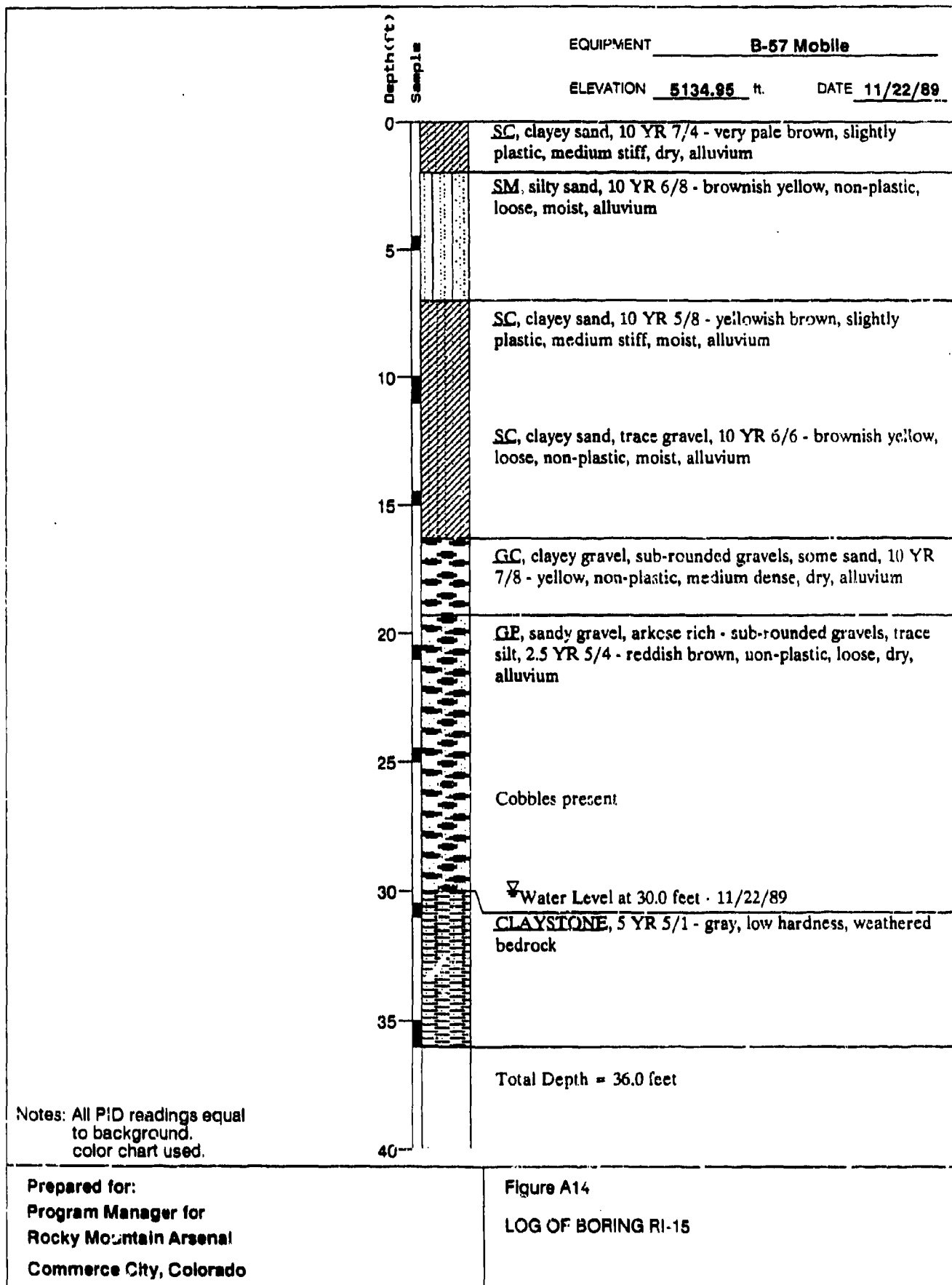
WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37439











TOP OF CASING

ELEVATION 5127.14 ft.

EQUIPMENT

Standard RotaryELEVATION 5127.56 ft.DATE 10/19/89**GROUND SURFACE**

Top of Casing at ground level

8-In.-Dia. Borehole 0 to 60 ft.

4-In.-Dia. Schedule 40 PVC Blank Casing 0 to 30 ft.

Bentonite-Cement Seal 0 to 20 ft.

Bentonite-Pellet Seal 20 to 25 ft.

CSSI 8-12 Sandpack 25 to 60 ft.

4-In. Dia. PVC Slotted Screen (0.020 Inch) 29.5 to 59.5 ft.

Depth (ft)
Sample

0

5

10

15

20

25

30

35

40

TOPSOIL

CL, sandy clay, buff, moist, alluvium

CL, silty clay, buff to brown, moist, alluvium

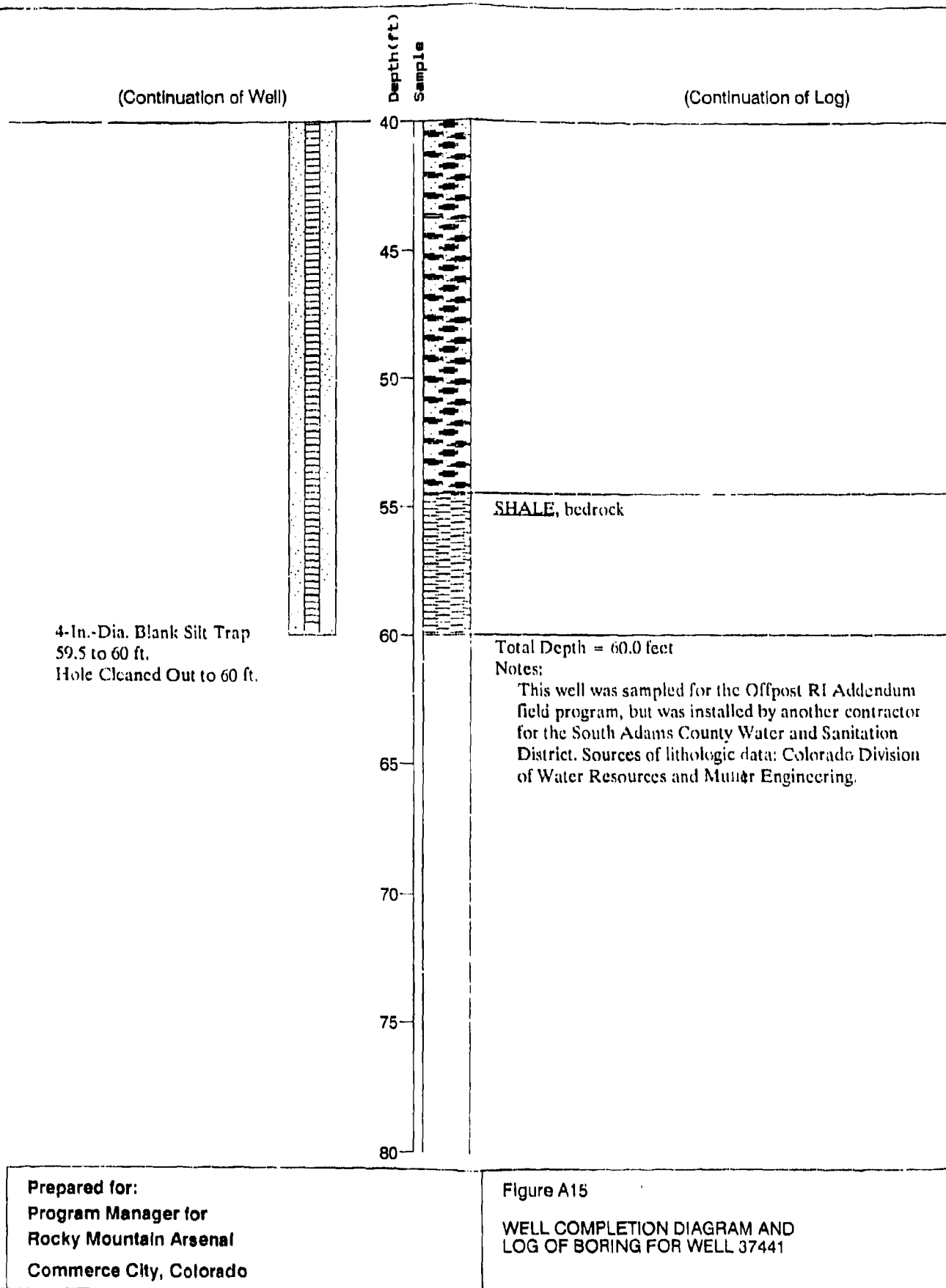
Moisture increases to wet

W

Water level reading at 33.0 feet - 11/1/89

GP, cobbly gravel, medium to coarse grained, loose, saturated, alluvium

Notes: See Detail B for surface completion.
All PID readings equal to background
Munsell color chart used.



TOP OF CASING

ELEVATION 5124.26 ft.

EQUIPMENT

Air RotaryELEVATION 5121.9 ft.DATE 9/7/89**GROUND SURFACE**

Top of Casing above ground level

15-In.-Dia. Borehole 0 to 54 ft.

12-In.-Dia. Black Steel Conductor Casing 0 to 54 ft.

11-7/8-In.-Dia. Borehole 54 to 130 ft.

8-In.-Dia. Black Steel Conductor Casing 0 to 130 ft.

7-7/8-In.-Dia. Borehole 130 to 323 ft.

4-In.-Dia. Black Steel Blank Casing 0 to 219 ft.

Bentonite-Cement Seal 0 to 160 ft.

Bentonite-Pellet Seal 160 to 171 ft.

CSSI 10-20 Sandpack 171 to 323 ft.

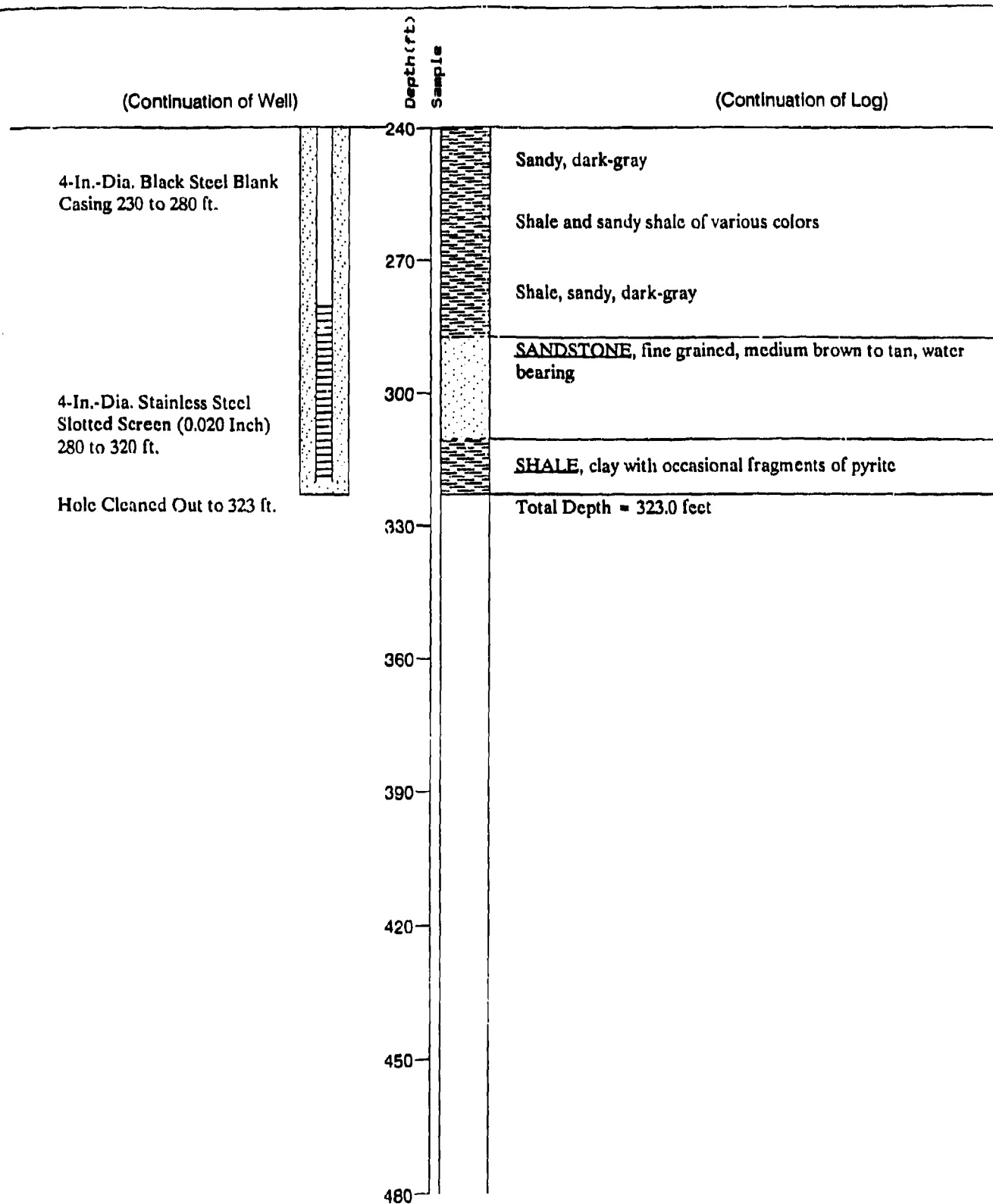
4-In.-Dia. Black Steel Blank Casing 0 to 210 ft.

4-In.-Dia. Stainless Steel Slotted Screen (0.020 Inch) 210 to 230 ft.

Depth (ft.)
Sample

0	SM, silty sand, brown, loose, moist, alluvium
	Increasing clay fraction
30	Lenses of gravels and coarse sands in a silty matrix - brown, alluvium
	Lenses of gravels and sands in a silty matrix - brown, alluvium
	SP, coarse grained sub-rounded sand and gravel, alluvium
60	CLAYSTONE, silty, dark yellow-brown, bedrock
	SHALE, blue, occasional lignite fragments and subangular sand
	Shale and sands interbedded
90	Dark gray shale with some subangular coarse grained quartzitic sand
	Decreasing sand fraction
	Cuttings show dark gray shales and yellow-brown clays and claystone to siltstone
	Shale fraction decreasing - medium gray clay
	Clay with occasional shale lenses
120	Clay, blue-gray
	Water level reading at 134.0 feet - 9/12/89
150	SHALE, very sandy shale, dark gray, fissile
	Very sandy shale
	SANDSTONE, sand, very fine grained, light brown, water bearing
	SHALE, dark-gray-black, some clay lenses
180	Dark-gray, fissile, abundant fossil material
	Some sandy lenses
210	Abundant plant fossils with some minor sands
	SANDSTONE, fine grained, uncemented, quartzitic, water bearing
240	SHALE

Notes: See Detail A for surface completion.
All PID readings equal to background.
Munsell color chart used.



Prepared for:
Program Manager for
Rocky Mountain Arsenal
Commerce City, Colorado

Figure A16

WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37431

TOP OF CASING

ELEVATION N/A ft.EQUIPMENT Air and Mud RotaryELEVATION N/A ft. DATE 8/24/90**GROUND SURFACE**

Top of Casing above ground level

15-1/4-In.-Dia. Borehole 0 to 76 ft.

12-In.-Dia. Black Steel Conductor Casing 0 to 76 ft.

11-7/8-In.-Dia. Borehole 76 to 188 ft.

8-In.-Dia. Black Steel Conductor Casing 0 to 188 ft.

7-7/8-In.-Dia. Borehole 188 to 442 ft.

4-In.-Dia. Welded Black Steel Blank Casing 0 to 380 ft.

Bentonite-Cement Seal 0 to 130.6 ft.

Bentonite-Pellet Seal 180.6 to 200 ft.

Depth (ft.)
Sample

0

SM, silty sand, fine to coarse grained, some gravel, light brown, non-plastic, loose, moist, alluvium

30

Increase in silt content

60

CLAYSTONE, blue-gray, massive, soft, bedrock

Thin stringer of sandstone, fine grained, yellow-brown, well cemented

90

CLAYSTONE, blue to gray, occasionally sandy, fissile, blocky, closely fractured, well indurated

120

Becomes soft

150

180

⚡ Water level reading at 179.0 feet - 8/28/90

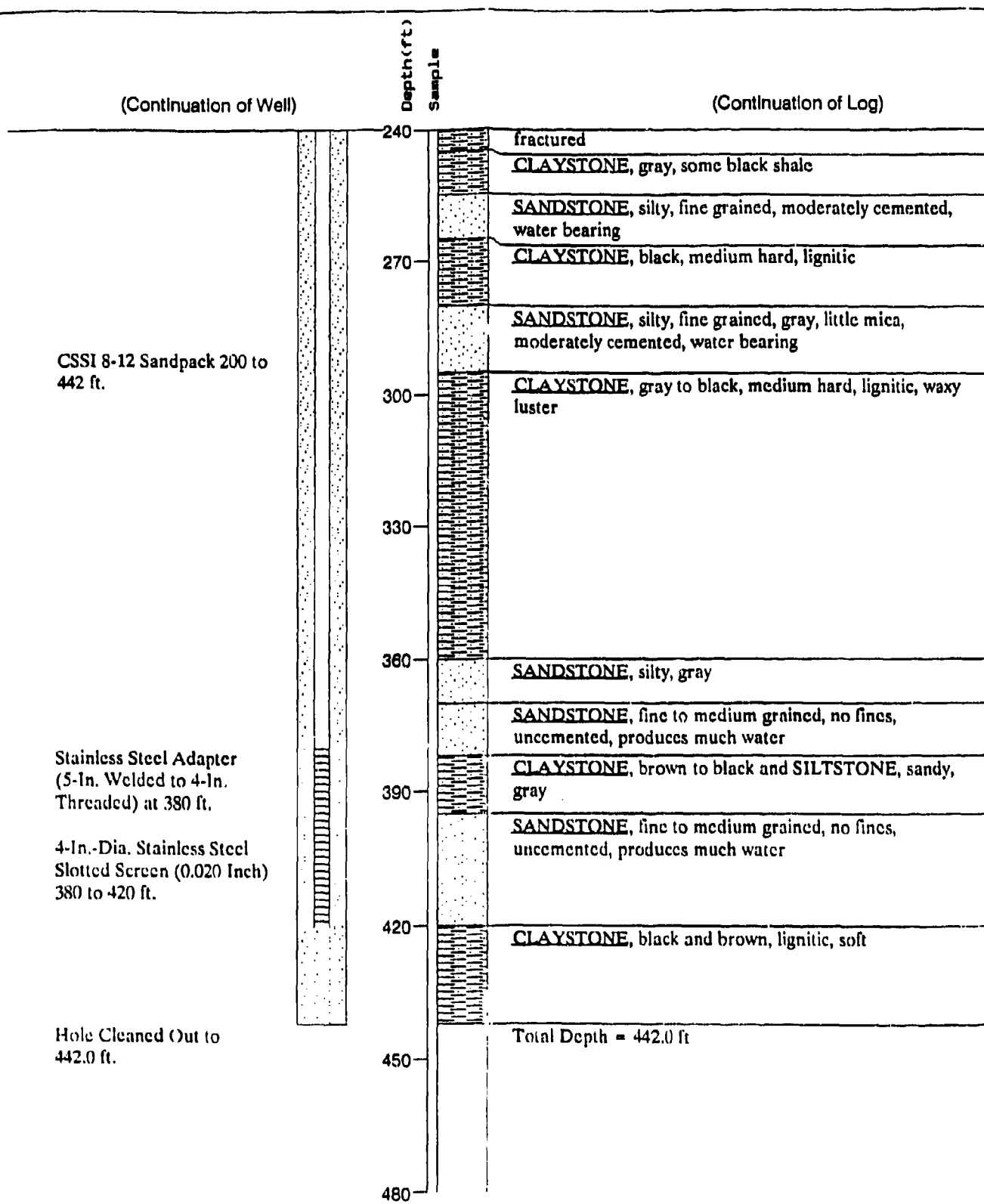
210

SANDSTONE, silty, gray, fine to medium grained, moderately cemented with chert interbeds, water bearingSILTSTONE, sandy, gray, trace black cherty shale

240

CLAYSTONE, black, platy, siliceous, moderately

Notes: See Detail A for surface completion.
All PID readings equal to background.
Munsell color chart used.



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Rocky Mountain Arsenal
Commerce City, Colorado

Figure A17

WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37445

TOP OF CASING

ELEVATION N/A ft.

EQUIPMENT Air and Mud Rotary

ELEVATION N/A ft. DATE 10/8/90

GROUND SURFACE

Top of Casing above ground level

15-In.-Dia. Borehole 0 to 38 ft.

12-In.-Dia. Black Steel Conductor Casing 0 to 36 ft.

11-7/8-In.-Dia. Borehole 38 to 255 ft.

8-In.-Dia. Black Steel Conductor Casing 0 to 253 ft.

7-7/8-In.-Dia. Borehole 255 to 440 ft.

4-In.-Dia. Black Steel Blank Casing 0 to 356 ft.

Bentonite-Cement Seal 0 to 260 ft.

Depth (ft)
Sample

0
30
60
90
120
150
180
210
240

SM, silty sand, brown, loose, moist, alluvium

Becomes coarser with depth, grades to
SP, gravelly sand, very coarse grained, loose, saturated, alluvium

SANDSTONE, very coarse, hard, cemented, bedrock

CLAYSTONE, gray

SANDSTONE, medium to coarse grained, very arkosic, some clay

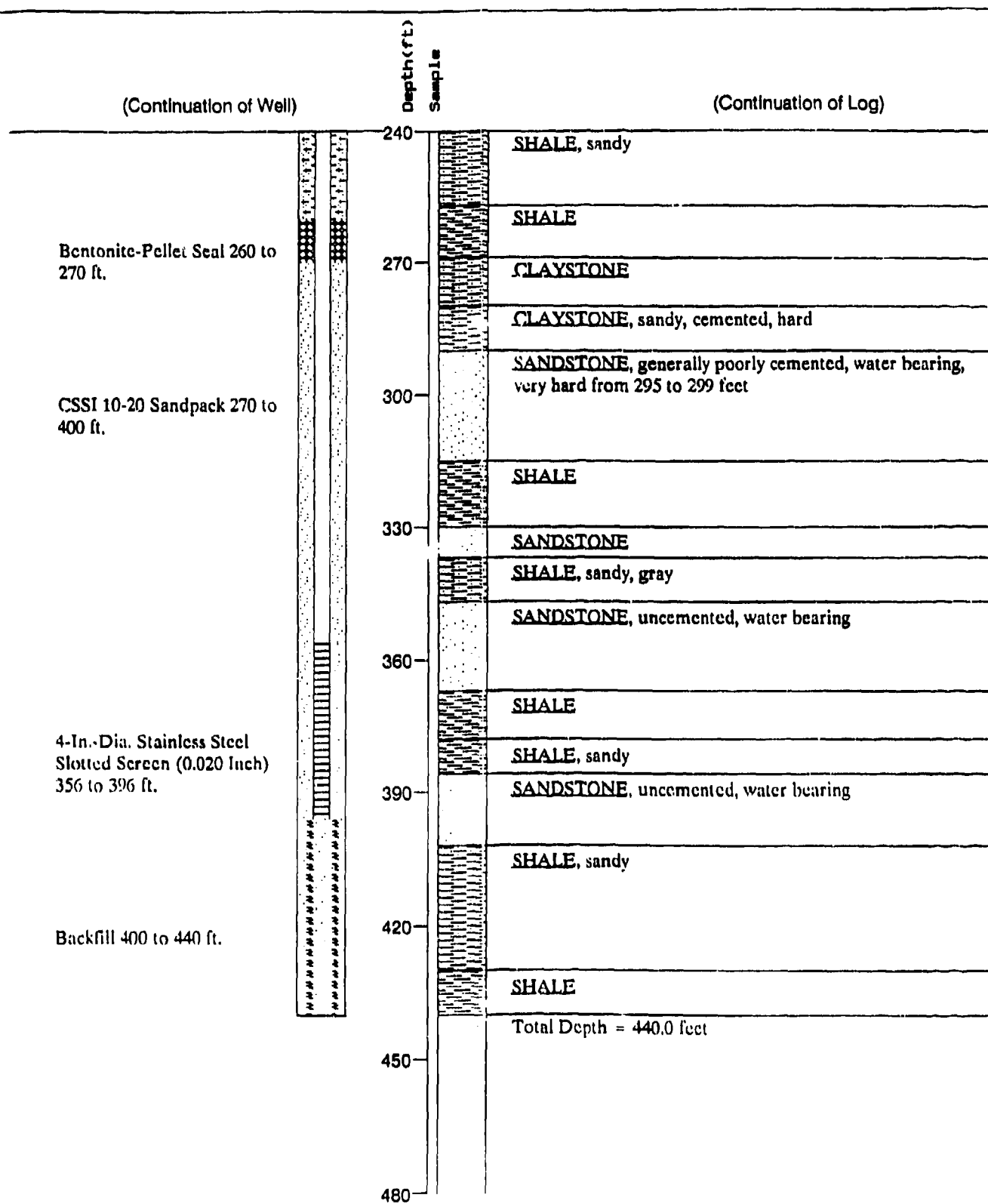
SHALE AND CLAYSTONE

▽ Water level reading at 188.0 feet - 10/9/90

SANDSTONE, poorly cemented

CLAYSTONE, sandy

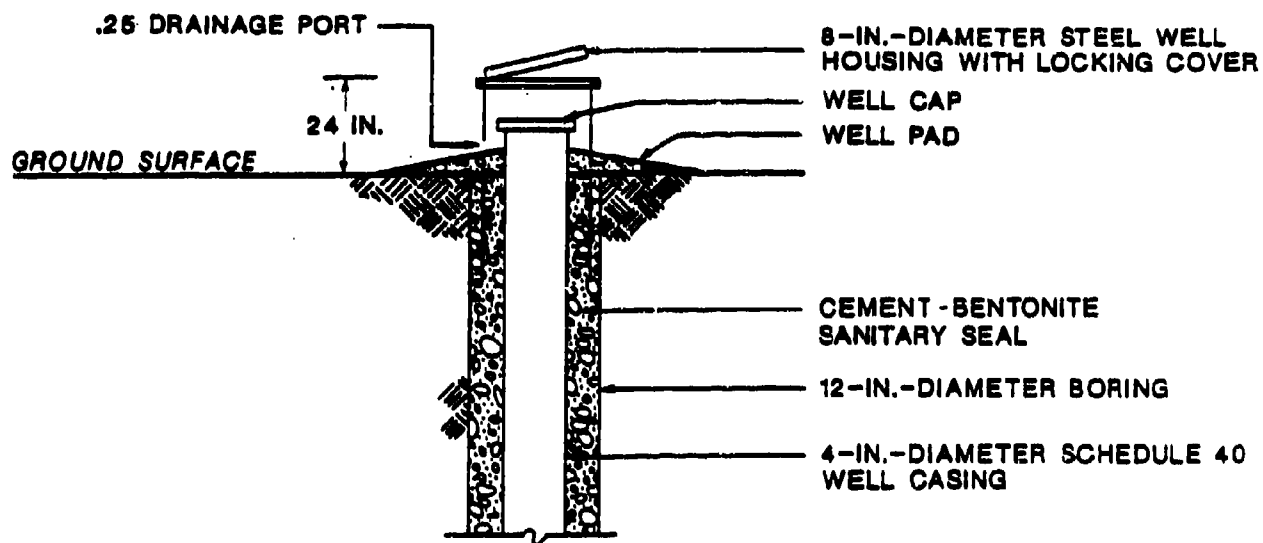
Notes: See Detail A for surface completion.
All PID readings equal to background.
Munsell color chart used.



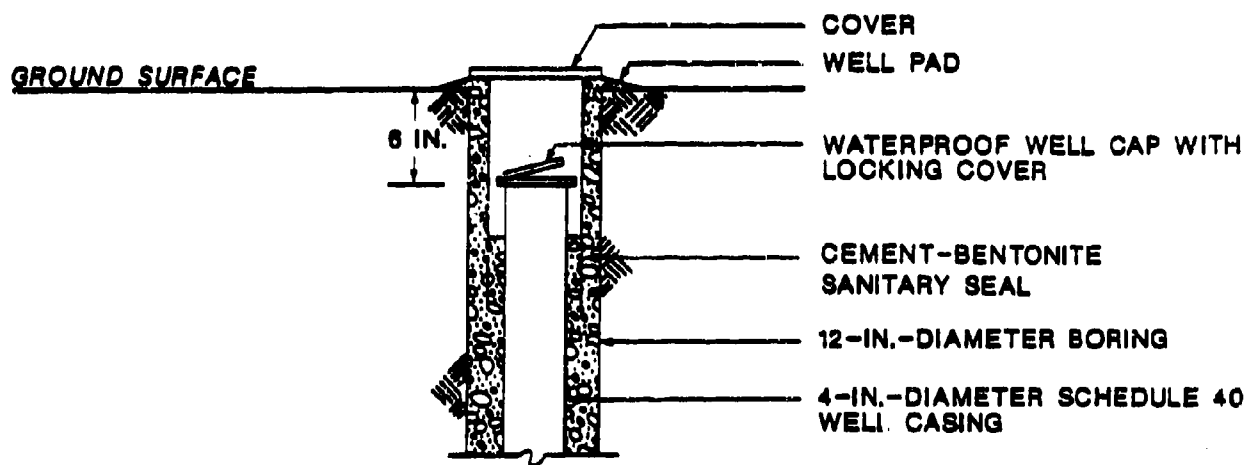
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Program Manager for
Rocky Mountain Arsenal
Commerce City, Colorado

Figure A18

WELL COMPLETION DIAGRAM AND
LOG OF BORING FOR WELL 37446


















DETAIL A: ABOVEGROUND COMPLETION



DETAIL B: SUBSURFACE COMPLETION

Prepared for:
Program Manager for
Rocky Mountain Arsenal
Commerce City, Colorado

Figure A19
MONITORING WELL SURFACE
COMPLETION DETAILS

MAJOR DIVISIONS					TYPICAL NAMES
COARSE-GRAINED SOILS MORE THAN HALF IS COARSER THAN NO. 200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW		WELL GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
			GP		POORLY GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
		GRAVELS WITH OVER 12% FINES	GM		SILTY GRAVELS, SILTY GRAVELS WITH SAND
			GC		CLAYEY GRAVELS, CLAYEY GRAVELS WITH SAND
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	CLEAN SANDS WITH LITTLE OR NO FINES	SW		WELL GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
			SP		POORLY GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
		SANDS WITH OVER 12% FINES	SM		SILTY SANDS WITH OR WITHOUT GRAVEL
			SC		CLAYEY SANDS WITH OR WITHOUT GRAVEL
FINE-GRAINED SOILS MORE THAN HALF IS FINER THAN NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT 50% OR LESS	ML		INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTS WITH SANDS AND GRAVELS	
		CL		INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, CLAYS WITH SANDS AND GRAVELS, LEAN CLAYS	
		OL		ORGANIC SILTS OR CLAYS OF LOW PLASTICITY	
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50%	MH		INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS, FINE SANDY OR SILTY SOILS, ELASTIC SILTS	
		CH		INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS	
		OH		ORGANIC SILTS OR CLAYS OF MEDIUM TO HIGH PLASTICITY	
	HIGHLY ORGANIC SOILS		PI		PEAT AND OTHER HIGHLY ORGANIC SOILS

Prepared for:
Program Manager for
Rocky Mountain Arsenal
Commerce City, Colorado

Figure A20
UNIFIED SOIL CLASSIFICATION SYSTEM
AND SYMBOLS

Appendix B
GROUNDWATER ANALYTICAL DATA

LIST OF TABLES

Table No.

B1	Groundwater Investigative Analytical Data
B2	Groundwater GC/MS Analytical Data
B3	Groundwater QA/QC Analytical Data
B4	Groundwater Duplicate Analytical Data
B5	Investigative Analytical Data for Domestic Well Samples
B6	GC/MS Analytical Data for Domestic Well Samples
B7	QA/QC Analytical Data for Domestic Well Samples
B8	Duplicate Analytical Data for Domestic Well Samples

Table B1 Groundwater Investigative Analytical Data

Sample ID	37402	37402	37403	37403
Date	09/27/89	02/22/90	09/25/89	02/21/90
Analytes				
Metals/Anions/General Chem				
Arsenic	MA	< 2.50	MA	< 2.50
Cadmium	MA	< 5.00	MA	< 5.00
Calcium	MA	130000	MA	150000
Chloride	MA	190000	MA	240000
Chromium	MA	< 22.0	MA	< 22.0
Copper	MA	< 10.0	MA	< 10.0
Cyanide	MA	< 8.90	MA	< 8.90
Fluoride	MA	< 1000	MA	< 1000
Iron	MA	881	MA	39.9
Lead	MA	< 52.0	MA	< 52.0
Magnesium	MA	43000	MA	51000
Manganese	MA	2630	MA	< 20.0
Mercury	MA	< 0.500	MA	< 0.500
Nitrite, Nitrate -- Non-Specific	MA	220	MA	2200
Potassium	MA	MA	MA	MA
Sodium	MA	180000	MA	230000
Sulfate	MA	380000	MA	510000
Total Organic Carbon	MA	4.00	MA	5.00

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
 < -- Indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 > -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were rejected.
 A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37402	37402	37403	37403
Date	09/27/89	02/22/90	09/25/89	02/21/90
Analytes				
Metals/Anions/General Chem				
Total Suspended Solids	NA	9.00	NA	88.0
Zinc	NA	23.3	NA	< 20.0
Phenols				
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	< 4.40	< 4.40
2,4-Dinitrophenol (GCMS)	< 176	< 176	< 176	< 176
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GCMS)	< 8.20	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GCMS)	< 96.0	< 96.0	< 96.0	< 96.0
Phenol (GCMS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				
1,4-Oxathiane	< 2.38	NA	< 2.38	NA
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT)	NA	< 0.0590	NA	< 0.0590

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

tical and QA/QC

Table B1 Groundwater Investigative Analytical Data

Sample ID	37402	37402	37403	37403
Date	09/27/89	02/22/90	09/25/89	02/21/90
Analytes				
SemiVolatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	NA	< 0.0460	NA	< 0.0460
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	NA	< 5.69	NA
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	NA	< 7.46	NA
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	NA	< 11.5	NA
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	NA	R	NA	R
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	NA	< 4.03	NA
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	NA	< 5.00	NA
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	NA	< 5.90	NA
Bis (2-Ethylhexyl) Phthalate (GCMS)	NA	< 7.70	NA	< 7.70
Caprolactam (GCMS)	NA	< 7.70	NA	< 7.70
Chlordane	NA	< 0.152	NA	< 0.152

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37402	37402	37403	37403
Date	09/27/89	02/22/90	09/25/89	02/21/90
Analytes				
Semivolatiles				
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	NA	< 5.00	NA
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	NA	< 0.0539	NA	< 0.0539
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	27.4	NA	21.4	NA
Diisopropyl Methylphosphonate (GCMS)	19.8	21.7	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	NA	< 0.188	NA
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	NA	< 1.34	NA
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	NA	< 0.0600	NA	< 0.0600
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	R	< 0.0480	R
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	NA	< 0.0560	NA	< 0.0560
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	NA	< 0.373	NA

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

his data and 2A/0r edu-

Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37402 09/27/89	37402 02/22/90	37403 09/25/89	37403 02/21/90
Analytes				
Semivolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	NA	< 0.647	NA
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supona	< 0.787	NA	< 0.787	NA
Supona (GCMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	NA	< 0.384	NA
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	NA	< 1.09	NA	< 1.09
1,1,1-Trichloroethane (GCMS)	NA	< 1.00	NA	< 1.00
1,1,2-Trichloroethane	NA	< 1.63	NA	< 1.63
1,1,2-Trichloroethane (GCMS)	NA	< 1.00	NA	< 1.00
1,1-Dichloroethane	NA	< 1.93	NA	< 1.93
1,1-Dichloroethane (GCMS)	NA	< 1.00	NA	< 1.00
1,1-Dichloroethene	NA	< 1.85	NA	< 1.85
1,1-Dichloroethene (GCMS)	NA	< 1.00	NA	< 1.00
1,2-Dichloroethane	NA	< 2.07	NA	< 2.07
1,2-Dichloroethane (GCMS)	NA	< 1.00	NA	< 1.00

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37402	37402	37403	37403
Date	09/27/89	02/22/90	09/25/89	02/21/90
Analytes				
Volatiles				
1,2-Dichloroethenes (cis & trans)	NA	< 1.75	NA	< 1.75
1,2-Dichloroethenes (cis & trans) (GCMS)	NA	< 5.00	NA	< 5.00
Benzene	NA	2.77	NA	8.04
Benzene (GCMS)	NA	1.40	NA	3.72
Carbon Tetrachloride	NA	< 1.69	NA	2.35
Carbon Tetrachloride (GCMS)	NA	< 1.00	NA	1.47
Chlorobenzene	NA	32.9	NA	63.1
Chlorobenzene (GCMS)	NA	28.8	NA	53.8
Chloroform	NA	32.2	NA	100
Chloroform (GCMS)	NA	31.0	NA	120
Dibromochloropropane	0.496	NA	0.344	NA
Dibromochloropropane (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	NA	< 0.550	NA
Ethyl Benzene	NA	< 0.620	NA	< 0.620
Ethyl Benzene (GCMS)	NA	< 1.00	NA	< 1.00
M-Xylene	NA	< 1.04	NA	< 1.04
M-Xylene (GCMS)	NA	< 1.00	NA	< 1.00
Methylene Chloride	NA	< 2.48	NA	< 2.48

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

historical data and QA/QC results

Table B1 Groundwater Investigative Analytical Data

Sample ID	37402	37402	37403	37403
Date	09/27/89	02/22/90	09/25/89	02/21/90
Analytes				
Volatiles				
Methylene Chloride (GCMS)	NA	< 1.00	NA	< 1.00
Methylisobutyl Ketone	< 4.90	NA	< 4.90	NA
Methylisobutyl Ketone (GCMS)	NA	< 1.40	NA	< 1.40
O,P-Xylene	NA	< 1.34	NA	< 1.34
O,P-Xylene (GCMS)	NA	< 2.00	NA	< 2.00
Tetrachloroethene	NA	< 2.76	NA	< 2.76
Tetrachloroethene (GCMS)	NA	< 1.00	NA	< 1.00
Toluene	NA	< 2.10	NA	< 2.10 A
Toluene (GCMS)	NA	< 1.00	NA	1.10 A
Trichloroethene	NA	< 1.31	NA	2.04 A
Trichloroethene (GCMS)	NA	< 1.00	NA	1.20 A
Vinyl Chloride	NA	NA	NA	NA
Vinyl Chloride (GCMS)	NA	< 12.0	NA	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample ID	37404	37404	37405	37405
Date	09/26/89	02/22/90	09/26/89	02/21/90
Analytes				
Metals/Anions/General Chem				
Arsenic	MA	< 2.50	MA	2.73
Cadmium	MA	< 5.00	MA	< 5.00
Calcium	MA	160000	MA	100000
Chloride	MA	230000	MA	120000
Chromium	MA	< 22.0	MA	< 22.0
Copper	MA	< 10.0	MA	< 10.0
Cyanide	MA	< 8.90	MA	< 8.90
Fluoride	MA	< 1000	MA	< 1000
Iron	MA	48.6	MA	43.1
Lead	MA	< 52.0	MA	< 52.0
Magnesium	MA	43000	MA	16000
Manganese	MA	< 20.0	MA	< 20.0
Mercury	MA	< 0.500	MA	< 0.500
Nitrite, Nitrate -- Non-Specific	MA	4300	MA	2400
Potassium	MA	MA	MA	MA
Sodium	MA	210000	MA	95000
Sulfate	MA	540000	MA	160000
Total Organic Carbon	MA	5.00	MA	3.00

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and analytical methods.

Table 81 Groundwater Investigative Analytical Data

Sample ID	37404	37404	37405	37405
Date	09/26/89	02/22/90	09/26/89	02/21/90
Analytes				
Metals/Anions/General Chem				
Total Suspended Solids	NA	23.0	NA	10.0
Zinc	NA	< 20.0	NA	< 20.0
Phenols				
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	< 4.40	< 4.40
2,4-Dinitrophenol (GCMS)	< 176	< 176	< 176	< 176
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GCMS)	< 8.20	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GCMS)	< 96.0	< 96.0	< 96.0	< 96.0
Phenol (GCMS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				
1,4-Oxathiane	< 2.38	NA	< 2.38	NA
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT)	NA	< 0.0590	NA	< 0.0590

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- Indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37404	37404	37405	37405
Date	09/26/89	02/22/90	09/26/89	02/21/90
<hr/>				
Analytes				
<hr/>				
Semivolatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE)	NA	< 0.0460	NA	< 0.0460
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	NA	< 5.69	NA
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
<hr/>				
4-Chlorophenylmethyl Sulfone	< 7.46	NA	< 7.46	NA
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	NA	< 11.5	NA
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	NA	R	NA	R
<hr/>				
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	NA	< 4.03	NA
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	NA	< 5.00	NA
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	NA	< 5.90	NA
<hr/>				
Bis (2-Ethylhexyl) Phthalate (GCMS)	NA	< 7.70	NA	< 7.70
Ceprolactam (GCMS)	NA	< 7.70	NA	< 7.70
Chlordane	NA	< 0.152	NA	< 0.152

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37404	37404	37405	37405
Date	09/26/89	02/22/90	09/26/89	02/21/90
Analytes				
Semivolatiles				
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	NA	< 5.00	NA
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	NA	< 0.0539	NA	< 0.0539
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	29.3	NA	< 0.392	NA
Diisopropyl Methylphosphonate (GCMS)	< 21.0	21.7	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	NA	< 0.188	NA
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	NA	< 1.34	NA
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	NA	< 0.0600	NA	< 0.0600
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	R	0.0796	R
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	NA	< 0.0560	NA	< 0.0560
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	NA	< 0.373	NA

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37404	37404	37405	37405
Date	09/26/89	02/22/90	09/26/89	02/21/90

analytes				

SemiVolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	NA	< 0.647	NA
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supona	< 0.787	NA	< 0.787	NA
Supona (GCMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	NA	< 0.384	NA
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	NA	< 1.09	NA	< 1.09
1,1,1-Trichloroethane (GCMS)	NA	< 10.0	NA	< 1.00
1,1,2-Trichloroethane	NA	< 1.63	NA	< 1.63
1,1,2-Trichloroethane (GCMS)	NA	< 10.0	NA	< 1.00
1,1-Dichloroethane	NA	< 1.93	NA	< 1.93
1,1-Dichloroethane (GCMS)	NA	< 10.0	NA	< 1.00
1,1-Dichloroethane	NA	< 1.85	NA	< 1.85
1,1-Dichloroethane (GCMS)	NA	< 10.0	NA	< 1.00
1,2-Dichloroethane	NA	< 2.07	NA	< 2.07
1,2-Dichloroethane (GCMS)	NA	< 10.0	NA	< 1.00

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37404	37405	37405
Date	09/26/89	02/22/90	02/21/90
Analytes			
Volatiles			
1,2-Dichloroethenes (cis & trans)	NA	< 1.75	< 1.75
1,2-Dichloroethenes (cis & trans) (GCMS)	NA	< 50.0	< 5.00
Benzene	NA	27.0	< 9.60 A
Benzene (GCMS)	NA	12.4	4.96 A
Carbon Tetrachloride	NA	2.71	< 1.69
Carbon Tetrachloride (GCMS)	NA	< 10.0	< 1.00
Chlorobenzene	NA	120	92.0 A
Chlorobenzene (GCMS)	NA	91.3	65.4 A
Chloroform	NA	440	150 A
Chloroform (GCMS)	NA	460	140 A
Dibromochloropropane	0.415	NA	NA
Dibromochloropropane (GCMS)	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	NA	NA
Ethyl Benzene	NA	< 0.620	< 0.620
Ethyl Benzene (GCMS)	NA	< 10.0	< 1.00
m-Xylene	NA	< 1.04	< 1.04
m-Xylene (GCMS)	NA	< 10.0	< 1.00
Methylene Chloride	NA	< 2.48	< 2.48

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37404	37404	37405	37405
Date	09/26/89	02/22/90	09/26/89	02/21/90
Analytes				
Volatiles				
Methylene Chloride (GCMS)	NA	< 10.0	NA	< 1.00
Methylisobutyl Ketone	< 4.90	NA	< 4.90	NA
Methylisobutyl Ketone (GCMS)	NA	< 14.0	NA	< 1.40
O,P-Xylene	NA	< 1.34	NA	< 1.34
O,P-Xylene (GCMS)	NA	< 20.0	NA	< 2.00
Tetrachloroethene				
Tetrachloroethene (GCMS)	NA	< 2.76	NA	< 2.76
Toluene	NA	< 10.0	NA	< 1.00
Toluene (GCMS)	NA	3.37	NA	< 2.10 A
Trichloroethene	NA	< 10.0	NA	1.50 A
		4.36	NA	3.13 A
Trichloroethene (GCMS)				
Vinyl Chloride	NA	< 10.0	NA	1.80 A
Vinyl Chloride (GCMS)	NA	NA	NA	NA
	NA	< 120	NA	< 12.0

Notes: Values are reported in micrograms per liter.

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37406	37406	37407	37407
Date	09/26/89	02/21/90	09/26/89	02/21/90
Analytes				
Metals/Anions/General Chem				
Arsenic	NA	< 2.50	NA	< 2.50
Cadmium	NA	< 5.00	NA	< 5.00
Calcium	NA	190000	NA	250000
Chloride	NA	220000	NA	370000
Chromium	NA	< 22.0	NA	< 22.0
Copper	NA	< 10.0	NA	< 10.0
Cyanide	NA	< 8.90	NA	< 8.90
Fluoride	NA	928	NA	1160
Iron	NA	34.7	NA	604
Lead	NA	< 52.0	NA	< 52.0
Magnesium	NA	55000	NA	58000
Manganese	NA	< 20.0	NA	1250
Mercury	NA	< 0.500	NA	< 0.500
Nitrite, Nitrate -- Non-Specific	NA	3800	NA	1300000
Potassium	NA	NA	NA	NA
Sodium	NA	290000	NA	360000
Sulfate	NA	650000	NA	700000
Total Organic Carbon	NA	3.00	NA	7.00

Notes: Values are reported in micrograms per liter.

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37406	37406	37407	37407
Date	09/26/89	02/21/90	09/26/89	02/21/90
Metals/Anions/General Chem				
Total Suspended Solids	NA	98.0	NA	< 4.00
Zinc	NA	< 20.0	NA	< 20.0
Phenols				
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	< 4.40	< 4.40
2,4-Dinitrophenol (GCMS)				
2,4-Dinitrophenol (GCMS)	< 176	< 176	< 176	< 176
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GCMS)	< 8.20	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
4-Methylphenol (GCMS)				
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GCMS)	< 96.0	< 96.0	< 96.0	< 96.0
Phenol (GCMS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				
1,4-Oxathiane	< 2.38	NA	< 2.38	NA
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT)	NA	< 0.0590	NA	< 0.0590

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37406	37406	37407	37407
Date	09/26/89	02/21/90	09/26/89	02/21/90
Analytes				

Semivolatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	NA	< 0.0460	NA	< 0.0460
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	NA	< 5.69	NA
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	NA	< 7.46	NA
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	49.7	NA	< 11.5	NA
4-Chlorophenylmethyl Sulfoxide (GCMS)	71.6	101	< 15.0	< 15.0
Aldrin	NA	R	NA	R
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	72.9	NA	< 4.03	NA
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	NA	< 5.00	NA
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	NA	< 5.90	NA
Bis (2-Ethylhexyl) Phthalate (GCMS)	NA	< 7.70	NA	< 7.70
Caprolactam (GCMS)	NA	< 7.70	NA	< 7.70
Chlordane	NA	< 0.152	NA	< 0.152

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37406	37406	37407	37407
Date	09/26/89	02/21/90	09/26/89	02/21/90
Analytes				
Semivolatiles				
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	NA	< 5.00	NA
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	NA	< 0.0539	NA	< 0.0539
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate				
Diisopropyl Methylphosphonate (GCMS)	450	NA	24.3	NA
Dimethylmethyl Phosphonate	> 200	> 200	< 21.0	104
Dimethylmethyl Phosphonate (GCMS)	< 0.188	NA	< 0.188	NA
Dithiane	< 130	< 130	< 130	< 130
	< 1.34	NA	< 1.34	NA
Dithiane (GCMS)				
Endrin	< 3.30	< 3.30	< 3.30	< 3.30
Endrin (GCMS)	NA	< 0.0600	NA	< 0.0600
Hexachlorocyclopentadiene	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene (GCMS)	< 0.0480	R	< 0.0480	R
	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin				
Isodrin (GCMS)	NA	< 0.0560	NA	< 0.0560
Malathion	< 7.80	< 7.80	< 7.80	< 7.80
	< 0.373	NA	< 0.373	NA

Notes: Values are reported in micrograms per liter.

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37406	37406	37407	37407
Date	09/26/89	02/21/90	09/26/89	02/21/90
Analytes				
Semivolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	NA	< 0.647	NA
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supona	< 0.787	NA	< 0.787	NA
Supona (GCMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vepona	< 0.384	NA	< 0.384	NA
Vepona (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	NA	< 1.09	NA	< 1.09
1,1,1-Trichloroethane (GCMS)	NA	< 10.0	NA	< 10.0
1,1,2-Trichloroethane	NA	< 1.63	NA	< 1.63
1,1,2-Trichloroethane (GCMS)	NA	< 10.0	NA	< 10.0
1,1-Dichloroethane	NA	< 1.93	NA	< 1.93
1,1-Dichloroethane (GCMS)	NA	< 10.0	NA	< 10.0
1,1-Dichloroethane	NA	< 1.85	NA	< 1.85
1,1-Dichloroethane (GCMS)	NA	< 10.0	NA	< 10.0
1,2-Dichloroethane	NA	< 2.07	NA	< 2.07
1,2-Dichloroethane (GCMS)	NA	< 10.0	NA	< 10.0

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37406	37407	37407
Date	09/26/89	02/21/90	02/21/90
Analytes			
Volatiles			
1,2-Dichloroethenes (cis & trans)	NA	NA	< 1.75
1,2-Dichloroethenes (cis & trans) (GCMS)	NA	NA	< 50.0
Benzene	NA	NA	59.0 A
Benzene (GCMS)	NA	NA	30.2 A
Carbon Tetrachloride	NA	NA	6.98
Carbon Tetrachloride (GCMS)	NA	NA	< 10.0
Chlorobenzene	NA	NA	260 A
Chlorobenzene (GCMS)	NA	NA	192 A
Chloroform	NA	NA	1300 A
Chloroform (GCMS)	NA	NA	120 A
Dibromochloropropane	2.12	0.377	NA
Dibromochloropropane (GCMS)	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	< 0.550	NA
Ethyl Benzene	NA	NA	0.933
Ethyl Benzene (GCMS)	NA	NA	< 10.0
M-Xylene	NA	NA	< 1.04
M-Xylene (GCMS)	NA	NA	< 10.0
Methylene Chloride	NA	NA	< 2.48

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37406	37407	37407
Date	09/26/89	02/21/90	09/26/89
Analytes			
Volatiles			
Methylene Chloride (GCMS)	NA	NA	< 10.0
Methylisobutyl Ketone	< 4.90	< 4.90	NA
Methylisobutyl Ketone (GCMS)	NA	NA	< 14.0
O,P-Xylene	NA	NA	2.11
O,P-Xylene (GCMS)	NA	NA	< 20.0
Tetrachloroethene	NA	NA	< 2.76
Tetrachloroethene (GCMS)	NA	NA	< 10.0
Toluene	NA	NA	8.22
Toluene (GCMS)	NA	NA	< 10.0
Trichloroethene	NA	NA	11.3
Trichloroethene (GCMS)	NA	NA	< 10.0
Vinyl Chloride	NA	NA	NA
Vinyl Chloride (GCMS)	NA	NA	< 120

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37408	37409	37410	37418
Date	12/01/89	11/29/89	12/04/89	12/18/89
Analytes				
Metals/Anions/General Chem				
Arsenic	4.26	5.23	< 2.35	3.64
Cadmium	< 6.78	< 6.78	< 6.78	< 6.78
Calcium	187000	199000	163000	550000
Chloride	180000	370000	180000	1700000
Chromium	< 16.8	< 16.8	< 16.8	< 16.8
Copper	< 18.8	< 18.8	< 18.8	< 18.8
Cyanide	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	2320	2510	2360	3310
Iron	217	86.5	204	227
Lead	< 43.4	< 43.4	< 43.4	< 43.4
Magnesium	58000	57600	53900	196000
Manganese	45.4	16.7	11.4	187
Mercury	< 0.100	< 0.100	< 0.100	< 0.100
Nitrite, Nitrate -- Non-Specific	2200	4200	1300	930
Potassium	3650	4900	4150	9540
Sodium	330000	370000	310000	840000
Sulfate	780000	660000	710000	1500000
Total Organic Carbon	1900	3000	2500	12000

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37408	37409	37410	37418
Date	12/01/89	11/29/89	12/04/89	12/18/89
<hr/>				
Analytes				
<hr/>				
Metals/Anions/General Chem				
Total Suspended Solids	MA	MA	MA	MA
Zinc	70.7	99.5	41.6	98.9
<hr/>				
Phenols				
2,3,6-Trichlorophenol (GDMS)	< 1.70	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GDMS)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GDMS)	< 3.60	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GDMS)	< 8.40	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GDMS)	< 4.40	< 4.40	< 4.40	< 4.40
<hr/>				
2,4-Dinitrophenol (GDMS)	< 176	< 176	< 176	< 176
2-Chlorophenol (GDMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Methylphenol (GDMS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GDMS)	< 8.20	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GDMS)	< 8.50	< 8.50	< 8.50	< 8.50
<hr/>				
4-Methylphenol (GDMS)	< 2.80	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GDMS)	< 96.0	< 96.0	< 96.0	< 96.0
Phenol (GDMS)	< 2.20	< 2.20	< 2.20	< 2.20
<hr/>				
Semivolatiles				
1,4-Oxathiane	< 2.38	< 2.38	< 2.38	7.12
1,4-Oxathiane (GDMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DCL)	< 0.0490	0.155	< 0.0490	0.148

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37408	37409	37410	37418
Date	12/01/89	11/29/89	12/04/89	12/18/89
Analytes				
Semivolatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 0.0540	< 0.0540	< 0.0540	0.341
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46	8.09
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfonide	26.8	74.5	12.6	< 11.5
4-Chlorophenylmethyl Sulfonide (GCMS)	26.9	380	< 15.0	< 15.0
Aldrin	< 0.0500	< 0.0500	< 0.0500	0.181
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.83	4.84	< 4.83	4.80
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	< 7.70	< 7.70
Caproactam (GCMS)	< 7.70	< 7.70	< 7.70	< 10.0
Chlordane	> 1.00	1.05	< 0.0950	0.935

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37408 12/01/89	37409 11/29/89	37410 12/04/89	37418 12/18/89
Analytes				
Semivolatiles				
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	R	R	460
Dicyclopentadiene (GCMS)	< 5.50	11.3	< 5.50	227
Dieldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	160	830	140	5600
Diisopropyl Methylphosphonate (GCMS)	94.3	> 200	67.9	> 200
Dimethylmethyl Phosphonate	< 0.188	< 0.188	< 0.188	< 0.188
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	< 1.34	< 1.34	27.3
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	8.45
Endrin	< 0.0500	< 0.0500	< 0.0500	0.100
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	< 0.0480	< 0.0480
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	< 0.373	< 0.373	< 0.373

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37408 12/01/89	37409 11/29/89	37410 12/04/89	37418 12/18/89
Analytes				
Semivolatiles				
Malathion (GDMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	< 0.647	< 0.647	< 0.647
Permethrin (GDMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GDMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supona	< 0.787	< 0.787	< 0.787	< 0.787
Supona (GDMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	< 0.384	< 0.384	< 0.384
Vapona (GDMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GDMS)	MA	MA	MA	MA
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GDMS)	MA	MA	MA	MA
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730
1,1-Dichloroethane (GDMS)	MA	MA	MA	MA
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GDMS)	MA	MA	MA	MA
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	21.5
1,2-Dichloroethane (GDMS)	MA	MA	MA	MA

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37408	37409	37410	37418
Date	12/01/89	11/29/89	12/06/89	12/18/89
Analytes				
Volatiles	< 0.760	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans)	MA	MA	MA	MA
1,2-Dichloroethenes (cis & trans) (GCMS)	< 1.05	< 1.05	< 1.05	< 1.05
Benzene	MA	MA	MA	MA
Benzene (GCMS)	< 0.990	2.44	< 0.990	< 0.990
Carbon Tetrachloride				
Carbon Tetrachloride (GCMS)	MA	MA	MA	MA
Chlorobenzene	< 0.820	< 0.820	< 0.820	< 0.820
Chlorobenzene (GCMS)	MA	MA	MA	MA
Chloroform	14.7	420	8.85	< 0.500
Chloroform (GCMS)	MA	MA	MA	MA
Dibromochloropropane	< 0.195	5.85	< 0.195	< 0.195
Dibromochloropropane (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GCMS)	MA	MA	MA	MA
m-Xylene	< 1.32	< 1.32	< 1.32	< 1.32
m-Xylene (GCMS)	MA	MA	MA	MA
p-Xylene Chloride	< 7.40	< 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37408	37409	37410	37418
Date	12/01/89	11/29/89	12/04/89	12/18/89
Analytes				
Volatiles				
Methylene Chloride (GCMS)	MA	MA	MA	MA
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90	< 4.90
Methylisobutyl Ketone (GCMS)	MA	MA	MA	MA
O,P-Xylene	< 1.36	< 1.36	< 1.36	< 1.36
O,P-Xylene (GCMS)	MA	MA	MA	MA
Non-Halogenated Aromatics				
Tetrachloroethene	4.45	110	3.53	10.2
Tetrachloroethene (GCMS)	MA	MA	MA	MA
Toluene	< 1.47	< 1.47	< 1.47	< 1.47
Toluene (GCMS)	MA	MA	MA	MA
Trichloroethene	0.816	3.33	< 0.560	6.52
Trichloroethene (GCMS)	MA	MA	MA	MA
Vinyl Chloride	MA	MA	MA	MA
Vinyl Chloride (GCMS)	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37418	37419	37420	37420
Date	06/22/90	12/15/89	12/13/89	06/21/90
Analytes				
Metals/Anions/General Chem				
Arsenic	R	< 2.35	3.48	R
Cadmium	< 6.78	< 6.78	< 6.78	< 6.78
Calcium	560000	250000	460000	470000
Chloride	1800000	590000	1100000	1200000
Chromium	< 16.8	< 16.8	< 16.8	< 16.8
Copper	< 18.8	< 18.8	< 18.8	< 18.8
Cyanide	R	< 5.00	< 5.00	R
Fluoride	6300	3390	3180	4400
Iron	1430	216	127	2110
Lead	< 43.4	< 43.4	< 43.4	< 43.4
Magnesium	194000	91500	141000	132000
Manganese	243	33.8	155	472
Mercury	< 0.100	< 0.100	< 0.100	< 0.100
Nitrite, Nitrate -- Non-Specific	548	1200	360	260
Potassium	8690	5230	5860	5220
Sodium	1180000	560000	700000	790000
Sulfate	1800000	1100000	1200000	1400000
Total Organic Carbon	14000	6600	9100	12000

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37418	37419	37420	37420
Date	06/22/90	12/15/89	12/13/89	06/21/90
Analytes				
Metals/Anions/General Chem		MA	MA	
Total Suspended Solids	< 4000		71.0	< 4000
Zinc	36.3	47.9		< 18.0
Phenols				
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70	< 1.70
2,3,6-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,5-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2,4,6-Trichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40	< 8.40
2,4-Dichlorophenol (GCMS)	< 4.40	< 4.40	< 4.40	< 4.40
2,4-Dimethylphenol (GCMS)	< 176	< 176	< 176	< 176
2,4-Dinitrophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Chlorophenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Methylphenol (GCMS)	< 8.20	< 8.20	< 8.20	< 8.20
2-Nitrophenol (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
3-Methyl-4-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
4-Methylphenol (GCMS)	< 96.0	< 96.0	< 96.0	< 96.0
4-Nitrophenol (GCMS)	< 2.20	< 2.20	< 2.20	< 2.20
Phenol (GCMS)				
Semivolatiles				
1,4-Oxathiane	6.48	< 2.38	< 2.38	5.35
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DGT)	2	0.161	0.184	< 0.0490

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37418	37419	37420	37420
Date	06/22/90	12/15/89	12/13/89	06/21/90
Analytes				
Semi-volatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 0.0540	0.474	1.70	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	7.75	21.0	< 7.46
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	9.18	9.06
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	< 0.0500	0.354	0.311	< 0.0500
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	46.0	< 4.03	4.80	13.8
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	13.3	83.6
Caprolactam (GCMS)	< 10.0	< 7.70	< 9.10	< 10.0
Chlordane	< 0.0950	1.60	1.70	< 0.0950

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37418	37419	37420
Date	06/22/90	12/15/89	06/21/90
Analytes			
Semivolatiles			
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0
Dichlorodiphenyl ether (GCMS)	370	164	560
Dichlorodiphenyl ether (GCMS)	277	93.2	> 300
Dieldrin (GCMS)	< 0.0500	< 0.0500	0.0891
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0
Organophosphates			
Diisopropyl Methylphosphonate	5800	800	2100
Diisopropyl Methylphosphonate (GCMS)	> 200	> 200	> 200
Dimethylmethyl Phosphonate	< 0.188	< 0.188	< 0.188
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130
Diethylmethyl Phosphonate	28.0	2.88	< 1.34
Organochlorines			
Dibutyltin (GCMS)	< 3.30	< 3.30	< 3.30
Endrin (GCMS)	< 0.0500	0.136	< 0.0500
Endrin (GCMS)	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	< 0.0480
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0
Organophosphates			
Isodrin	0.113	0.137	0.113
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80
Malathion	1.76	< 0.373	< 0.373

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37418	37419	37420
Date	06/22/90	12/15/89	12/13/89
Analytes			
Semivolatiles			
Malathion (GCMS)	< 21.0	< 21.0	< 21.0
Parathion	1.22	< 0.647	< 0.647
Perathion (GCMS)	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10
Supona	< 0.787	< 0.787	< 0.787
Supona (GCMS)	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	< 0.384	< 0.384
Vapona (GCMS)	< 8.50	< 8.50	< 8.50
Volatiles			
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	< 1.00	MA	< 1.00
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GCMS)	< 1.00	MA	< 1.00
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730
1,1-Dichloroethane (GCMS)	< 1.00	MA	< 1.00
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GCMS)	< 1.00	MA	< 1.00
1,2-Dichloroethane	21.2	< 1.10	20.6
1,2-Dichloroethane (GCMS)	< 1.00	MA	< 1.00

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37418	37419	37420	37420
Date	06/22/90	12/15/89	12/13/89	06/21/90
Analytes				
Volatiles				
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans) (GCMS)	< 5.00	MA	MA	< 5.00
Benzene	2.39	< 1.05	< 1.05	< 1.05
Benzene (GCMS)	1.94	MA	MA	< 1.00
Carbon Tetrachloride	< 0.990	< 0.990	< 0.990	< 0.990
Carbon Tetrachloride (GCMS)	< 1.00	MA	MA	< 1.00
Chlorobenzene	13.0	< 0.820	< 0.820	9.35
Chlorobenzene (GCMS)	22.1	MA	MA	< 1.00
Chloroform	30.0	< 0.500	< 0.500	10.6
Chloroform (GCMS)	49.0	MA	MA	< 1.00
Dibromochloropropane	0.326	< 0.195	< 0.195	< 0.195
Dibromochloropropane (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GCMS)	< 1.00	MA	MA	< 1.00
m-Xylene	< 1.32	< 1.32	< 1.32	< 1.32
m-Xylene (GCMS)	< 1.00	MA	MA	< 1.00
Methylene Chloride	< 7.40	< 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37418 06/22/90	37419 12/15/89	37420 12/13/89	37420 06/21/90
Analytes				
Volatiles				
Methylene Chloride (GDMS)	< 1.00	MA	MA	< 1.00
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90	< 4.90
Methylisobutyl Ketone (GDMS)	< 1.40	MA	MA	< 1.40
O,P-Xylene	< 1.36	< 1.36	< 1.36	< 1.36
O,P-Xylene (GDMS)	< 2.00	MA	MA	< 2.00
Tetrachloroethene	9.73	12.3	12.1	13.1
Tetrachloroethene (GDMS)	9.17	MA	MA	< 1.00
Toluene	< 1.47	< 1.47	< 1.47	< 1.47
Toluene (GDMS)	< 1.00	MA	MA	< 1.00
Trichloroethene	6.75	2.68	4.14	5.13
Trichloroethene (GDMS)	6.00	MA	MA	< 1.00
Vinyl Chloride	MA	MA	MA	MA
Vinyl Chloride (GDMS)	< 12.0	MA	MA	< 12.0

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample ID	37426	37429	37430
Date	12/27/89	12/29/89	12/28/89
Analytes			
Metals/Anions/General Chem			
Arsenic	3.23	< 2.35	< 2.35
Cadmium	< 6.78	< 6.78	< 6.78
Calcium	117000	91200	114000
Chloride	140000	63000	150000
Chromium	< 16.8	< 16.8	< 16.8
Copper	< 18.8	< 18.8	< 18.8
Cyanide	< 5.00	< 5.00	< 5.00
Fluoride	1610	1700	2370
Iron	MA	< 77.5	MA
Lead	< 43.4	< 43.4	< 43.4
Magnesium	34200	21300	33200
Manganese	MA	< 9.67	MA
Mercury	< 0.100	< 0.100	< 0.100
Nitrite, Nitrate -- Non-Specific	65.1	3700	7400
Potassium	5020	3650	3330
Sodium	170000	80000	170000
Sulfate	290000	160000	230000
Total Organic Carbon	2100	< 1030	1000

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

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above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

rejected.

A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37428 12/27/89	37429 12/29/89	37429 02/26/90	37430 12/28/89
Analytes				
Metals/Anions/General Chem				
Total Suspended Solids	MA < 18.0	MA 23.7	MA < 18.0	MA < 18.0
Zinc				
Phenols				
2,3,6-Trichlorophenol (GDMS)	< 1.70	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GDMS)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GDMS)	< 3.60	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GDMS)	< 8.40	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GDMS)	< 4.40	< 4.40	< 4.40	< 4.40
2,4-Dinitrophenol (GDMS)	< 176	< 176	< 176	< 176
2-Chlorophenol (GDMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Methylphenol (GDMS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GDMS)	< 8.20	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GDMS)	< 8.50	< 8.50	< 8.50	< 8.50
4-Methylphenol (GDMS)	< 2.80	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GDMS)	< 96.0	< 96.0	< 96.0	< 96.0
Phenol (GDMS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				
1,4-Oxathiane	< 2.38	< 2.38	< 2.38	< 2.38
1,4-Oxathiane (GDMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT)	R	< 0.0490	< 0.0490	< 0.0490

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample ID	37426	37429	37429	37430
Date	12/27/89	12/29/89	02/26/90	12/28/89
Analytes				
Semivolatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE)	< 0.0540	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46	< 7.46
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	R	< 0.0500	< 0.0500	< 0.0500
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	< 4.03	< 4.03	< 4.03
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benothiazole	< 5.00	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	< 7.70	< 7.70
Caprolactam (GCMS)	< 7.70	< 7.70	< 7.70	< 7.70
Chlordane	< 0.0950	< 0.0950	< 0.0950	< 0.0950

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37428	37429	37429	37430
Date	12/27/89	12/29/89	02/26/90	12/28/89
Analytes				
Seivolatiles				
Chlordane (GWS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	< 5.00	< 5.00	< 5.00
Dicyclopentadiene (GWS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Dieldrin (GWS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	140	18.6	10.1	5.74
Diisopropyl Methylphosphonate (GWS)	88.7	< 21.0	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	< 0.188	< 0.188	< 0.188
Dimethylmethyl Phosphonate (GWS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	< 1.34	< 1.34	< 1.34
Dithiane (GWS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Endrin (GWS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0460	0.0769	< 0.0480	< 0.0480
Hexachlorocyclopentadiene (GWS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510
Isodrin (GWS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	< 0.373	< 0.373	< 0.373

Notes: Values are reported in micrograms per liter.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37428 12/27/89	37429 12/29/89	37429 02/26/90	37430 12/28/89
Analytes				
Semivolatiles				
Malathion (GDMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	< 0.647	< 0.647	< 0.647
Parathion (GDMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GDMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supona	< 0.787	< 0.787	< 0.787	< 0.787
Supona (GDMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	< 0.384	< 0.384	< 0.384
Vapona (GDMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GDMS)	MA	MA	< 1.00	MA
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GDMS)	MA	MA	< 1.00	MA
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730
1,1-Dichloroethane (GDMS)	MA	MA	< 1.00	MA
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GDMS)	MA	MA	< 1.00	MA
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GDMS)	MA	MA	< 1.00	MA

Notes: Values are reported in micrograms per liter.

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37428	37429	37429	37430
Date	12/27/89	12/29/89	02/26/90	12/28/89
Analytes				
Volatiles				
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans) (GDMS)	MA	MA	< 5.00	MA
Benzene	< 1.05	< 1.05	3.60	< 1.05
Benzene (GDMS)	MA	MA	17.1	MA
Carbon Tetrachloride	< 0.990	< 0.990	< 0.990	< 0.990
Carbon Tetrachloride (GDMS)	MA	MA	< 1.00	MA
Chlorobenzene	< 0.820	< 0.820	24.2	< 0.820
Chlorobenzene (GDMS)	MA	MA	28.8	MA
Chloroform	< 0.500	< 0.500	41.9	1.35
Chloroform (GDMS)	MA	MA	40.0	MA
Dibromochloropropene	< 0.195	< 0.195	0.261	< 0.195
Dibromochloropropene (GDMS)	< 12.0	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GDMS)	MA	MA	< 1.00	MA
n-Xylene	< 1.32	< 1.32	3.30	< 1.32
n-Xylene (GDMS)	MA	MA	< 1.00	MA
Methylene Chloride	< 7.40	< 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37428 12/27/89	37429 12/29/89	37429 02/26/90	37430 12/28/89
Analytes				
Volatiles				
Methylene Chloride (GCMS)	MA	MA	< 1.00	MA
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90	< 4.90
Methylisobutyl Ketone (GCMS)	MA	MA	< 1.40	MA
O,P-Xylene	< 1.36	< 1.36	2.40	< 1.36
O,P-Xylene (GCMS)	MA	MA	< 2.00	MA
Tetrachloroethene	< 0.750	< 0.750	< 0.750	< 0.750
Tetrachloroethene (GCMS)	MA	MA	< 1.00	MA
Toluene	< 1.47	< 1.47	2.62	< 1.47
Toluene (GCMS)	MA	MA	< 1.00	MA
Trichloroethene	< 0.560	< 0.560	< 0.560	< 0.560
Trichloroethene (GCMS)	MA	MA	< 1.00	MA
Vinyl Chloride	MA	MA	MA	MA
Vinyl Chloride (GCMS)	MA	MA	< 12.0	MA

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A -- Data considered anomalous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

Sample ID Date	37430 02/26/90	37433 01/03/90	37433 02/26/90	37434 01/03/90
Analytes				
Metals/Anions/General Chem				
Arsenic	< 2.35	< 2.35	< 2.35	< 2.35
Calcium	< 6.78	< 6.78	< 6.78	< 6.78
Calcium	120000	81200	113000	79900
Chloride	170000	75000	140000	72000
Chromium	< 16.8	< 16.8	< 16.8	< 16.8
Copper	< 18.8	< 18.8	< 18.8	< 18.8
Cyanide	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	2790	1260	1570	1530
Iron	< 77.5	MA	< 77.5	MA
Lead	< 43.4	< 43.4	< 43.4	< 43.4
Magnesium	37400	15200	22300	17600
Manganese	< 9.67	MA	< 9.67	MA
Mercury	< 0.100	< 0.100	< 0.100	< 0.100
Nitrite, Nitrate -- Non-Specific	6100	3300	510	5300
Potassium	2600	6030	4420	4540
Sodium	130000	77000	99000	91000
Sulfate	250000	190000	200000	190000
Total Organic Carbon	2000	< 1000	2000	< 1000

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37430	37433	37434
Date	02/26/90	01/03/90	01/03/90
Analytes	MA	MA	MA
Metals/Anions/General Chem			
Total Suspended Solids	< 18.0	< 18.0	< 18.0
Zinc	50.3		
Phenols			
2,3,6-Trichlorophenol (GDMS)	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GDMS)	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GDMS)	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GDMS)	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GDMS)	< 4.40	< 4.40	< 4.40
2,4-Dinitrophenol (GDMS)	< 176	< 176	< 176
2-Chlorophenol (GDMS)	< 2.80	< 2.80	< 2.80
2-Methylphenol (GDMS)	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GDMS)	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GDMS)	< 8.50	< 8.50	< 8.50
4-Methylphenol (GDMS)	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GDMS)	< 96.0	< 96.0	< 96.0
Phenol (GDMS)	< 2.20	< 2.20	< 2.20
Semivolatiles			
1,4-Oxathiane	< 2.38	< 2.38	< 2.38
1,4-Oxathiane (GDMS)	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-trichloroethane (DOT)	< 0.0490	< 0.0490	< 0.0490

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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above the Maximum Reporting Limit. MA -- Not Analyzed.

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A -- Data considered anomalous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

Sample ID Date	37430 02/26/90	37433 01/03/90	37433 02/26/90	37434 01/03/90
Analytes				
Semivolatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE)	< 0.0540	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46	< 7.46
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	< 4.03	< 4.03	< 4.03
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	< 7.70	< 7.70
Caprolactam (GCMS)	< 7.70	< 7.70	< 7.70	< 7.70
Chlordane	< 0.0950	< 0.0950	< 0.0950	< 0.0950

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures

Table B1 Groundwater Investigative Analytical Data

Sample ID	37430	37433	37433	37434
Date	02/26/90	01/03/90	02/26/90	01/03/90
Analytes				
Semivolatiles				
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
bicycloptadiene	< 5.00	< 5.00	< 5.00	< 5.00
Dicycloptadiene (GCMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	< 26.0
Organophosphates				
Diisopropyl Methylphosphonate	8.07	0.023	3.31	4.52
Diisopropyl Methylphosphonate (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.100	< 0.100	< 0.100	< 0.100
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	< 1.34	< 1.34	< 1.34
Organochlorines				
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Endrin (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
Hexachlorocyclopentadiene	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	< 54.0
Organophosphates				
Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510
Isodrin (GCMS)	< 7.00	< 7.00	< 7.00	< 7.00
Melathion	< 0.373	< 0.373	< 0.373	< 0.373

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

h at id NA/C 2d

Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37430 02/26/90	37433 01/03/90	37433 02/26/90	37434 01/03/90
Analytes				
SemiVolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	< 0.647	< 0.647	< 0.647
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supona	< 0.787	< 0.787	< 0.787	< 0.787
Supona (GCMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	< 0.384	< 0.384	< 0.384
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	< 1.00	MA	< 1.00	MA
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GCMS)	< 1.00	MA	< 1.00	MA
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730
1,1-Dichloroethane (GCMS)	< 1.00	MA	< 1.00	MA
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GCMS)	< 1.00	MA	< 1.00	MA
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GCMS)	< 1.00	MA	< 1.00	MA

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample ID	37430	37433	37433	37434
Date	02/26/90	01/03/90	02/26/90	01/03/90
Analytes				
Volatiles				
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans) (GWS)	< 5.00	MA	< 5.00	MA
Benzene	17.3	< 1.05	5.48	< 1.05
Benzene (GWS)	10.9	MA	3.10	MA
Carbon Tetrachloride	< 0.990	< 0.990	< 0.990	< 0.990
Carbon Tetrachloride (GWS)	1.38	MA	< 1.00	MA
Chlorobenzene	51.2	< 0.820	28.0	< 0.820
Chlorobenzene (GWS)	82.7	MA	46.2	MA
Chloroform	300	< 0.500	72.7	< 0.500
Chloroform (GWS)	> 150	MA	73.0	MA
1,1-Dibromochloropropane	0.926	< 0.195	0.275	< 0.195
1,1-Dibromochloropropane (GWS)	< 12.0	< 12.0	< 12.0	< 12.0
1,1-Dimethyl Dilaufide	< 0.550	< 0.550	< 0.550	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GWS)	< 1.00	MA	< 1.00	MA
p-Xylene	< 1.32	< 1.32	< 1.32	< 1.32
m-Xylene (GWS)	< 1.00	MA	< 1.00	MA
Methylene Chloride	< 7.40	< 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37430	37433	37434
Date	02/26/90	01/03/90	01/03/90
Analytes			
Volatiles			
Methylene Chloride (GCMS)	< 1.00	MA	MA
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90
Methylisobutyl Ketone (GCMS)	< 1.40	MA	MA
O,P-Xylene	< 1.36	< 1.36	< 1.36
O,P-Xylene (GCMS)	< 2.00	< 2.00	MA
Tetrachloroethene			
Tetrachloroethene (GCMS)	< 0.750	< 0.750	< 0.750
Toluene	< 1.00	MA	MA
Toluene (GCMS)	3.17 A	< 1.47	< 1.47
Trichloroethene	2.70 A	MA	MA
	1.65	< 0.560	< 0.560
Trichloroethene (GCMS)			
Vinyl Chloride	< 1.00	MA	MA
Vinyl Chloride (GCMS)	MA	MA	MA
	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37434	37435	37435	37436
Date	02/27/90	12/29/89	02/27/90	12/29/89
Analytes				
Metals/Anions/General Chem				
Arsenic	< 2.35	< 2.35	< 2.35	MA
Cadmium	< 6.78	< 6.78	< 6.78	MA
Calcium	85500	134000	123000	MA
Chloride	84000	120000	98000	MA
Chromium	< 16.8	< 16.8	< 16.8	MA
Copper	< 18.8	< 18.8	< 18.8	MA
Cyanide	< 5.00	< 5.00	< 5.00	MA
Fluoride	1740	1730	1890	MA
Iron	< 77.5	MA	< 77.5	MA
Lead	< 43.4	< 43.4	< 43.4	MA
Magnesium	19600	37000	37000	MA
Manganese	10.5	MA	< 9.67	MA
Mercury	< 0.100	< 0.100	< 0.100	MA
Nitrite, Nitrate -- Non-Specific	3700	3300	1700	5800
Potassium	4130	6510	4500	MA
Sodium	100000	190000	130000	MA
Sulfate	200000	390000	290000	MA
Total Organic Carbon	2000	3000	3000	MA

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
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 R -- Data did not meet quality control criteria and were rejected.
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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37434 02/27/90	37435 12/29/89	37435 02/27/90	37436 12/29/89
Analytes				
Metals/Anions/General Chem				
Total Suspended Solids	MA	MA	MA	MA
Zinc	< 18.0	< 18.0	< 18.0	MA
Phenols				
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70	MA
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	MA
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60	MA
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40	MA
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	< 4.40	MA
2,4-Dinitrophenol (GCMS)	< 176	< 176	< 176	MA
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	MA
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60	MA
2-Nitrophenol (GCMS)	< 8.20	< 8.20	< 8.20	MA
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50	MA
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80	MA
4-Nitrophenol (GCMS)	< 96.0	< 96.0	< 96.0	MA
Phenol (GCMS)	< 2.20	< 2.20	< 2.20	MA
Semivolatiles				
1,4-Oxathiane	< 2.38	< 2.38	< 2.38	MA
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0	MA
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT)	< 0.0490	< 0.0490	< 0.0490	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37434 02/27/90	37435 12/29/89	37435 02/27/90	37436 12/29/89
Analytes				
Semivolatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GCMS)	< 18.0	< 18.0	< 18.0	MA
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 0.0540	< 0.0540	< 0.0540	MA
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	MA
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	MA
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	MA
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46	MA
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	MA
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 11.5	MA
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	MA
Aldrin	< 0.0500	< 0.0500	< 0.0500	MA
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	MA
Atrazine	< 4.03	< 4.03	< 4.03	MA
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	MA
Benzothiazole	< 5.00	< 5.00	< 5.00	MA
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	MA
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	< 7.70	MA
Caprolactam (GCMS)	< 7.70	< 7.70	< 7.70	MA
Chlordane	< 0.0950	< 0.0950	< 0.0950	MA

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37434	37435	37435	37436
Date	02/27/90	12/29/89	02/27/90	12/29/89
Analytes				
Semivolatiles				
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	MA
Dicyclopentadiene	< 5.00	< 5.00	< 5.00	MA
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	MA
Dieldrin	< 0.0500	< 0.0500	< 0.0500	MA
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	MA
Diisopropyl Methylphosphonate	3.63	15.5	10.8	MA
Diisopropyl Methylphosphonate (GCMS)	< 21.0	< 21.0	< 21.0	MA
Dimethylmethyl Phosphonate	< 0.188	< 0.188	1.01	MA
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	MA
Dithiane	< 1.34	< 1.34	< 1.34	MA
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	MA
Endrin	< 0.0500	< 0.0500	< 0.0500	MA
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	MA
Hexachlorocyclopentadiene	< 0.0480	0.0914	< 0.0480	MA
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	MA
Isodrin	< 0.0510	< 0.0510	< 0.0510	MA
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	MA
Malathion	< 0.373	< 0.373	< 0.373	MA

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37434	37435	37435	37436
Date	02/27/90	12/29/89	02/27/90	12/29/89
Analytes				
Semivolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	MA
Parathion	< 0.647	< 0.647	< 0.647	MA
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	MA
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	MA
Supona	< 0.787	< 0.787	< 0.787	MA
Supona (GCMS)	< 19.0	< 19.0	< 19.0	MA
Vapona	< 0.384	< 0.384	< 0.384	MA
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	MA
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	MA
1,1,1-Trichloroethane (GCMS)	< 1.00	MA	< 1.00	MA
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	MA
1,1,2-Trichloroethane (GCMS)	< 1.00	MA	< 1.00	MA
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	MA
1,1-Dichloroethane (GCMS)	< 1.00	MA	< 1.00	MA
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70	MA
1,1-Dichloroethane (GCMS)	< 1.00	MA	< 1.00	MA
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	MA
1,2-Dichloroethane (GCMS)	< 1.00	MA	< 1.00	MA

Notes: Values are reported in micrograms per liter.

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37434	37435	37435	37436
Date	02/27/90	12/29/89	02/27/90	12/29/89
Analytes				
Volatiles				
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760	MA
1,2-Dichloroethenes (cis & trans) (GCMS)	< 5.00	MA	< 5.00	MA
Benzene	4.61 A	< 1.05	10.7 A	MA
Benzene (GCMS)	2.71 A	MA	9.30 A	MA
Carbon Tetrachloride	< 0.990	< 0.990	< 0.990 A	MA
Carbon Tetrachloride (GCMS)	< 1.00	MA	1.10 A	MA
Chlorobenzene	39.2 A	< 0.820	58.1 A	MA
Chlorobenzene (GCMS)	40.4 A	MA	70.2 A	MA
Chloroform	64.0 A	< 0.500	214 A	MA
Chloroform (GCMS)	68.0 A	MA	> 150 A	MA
Dibromochloropropane	0.428 A	< 0.195	1.26 A	MA
Dibromochloropropane (GCMS)	< 12.0 A	< 12.0	< 12.0 A	MA
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	MA
Ethyl Benzene	< 1.37	< 1.37	< 1.37	MA
Ethyl Benzene (GCMS)	< 1.00	MA	< 1.00	MA
m-Xylene	< 1.32	< 1.32	< 1.32	MA
m-Xylene (GCMS)	< 1.00	MA	< 1.00	MA
Methylene Chloride	< 7.40	< 7.40	< 7.40	MA

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37434	37435	37435	37436
Date	02/27/90	12/21/89	02/27/90	12/29/89
Analytes				
Volatiles				
Methylene Chloride (GCMS)	< 1.00	MA	< 1.00	MA
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90	MA
Methylisobutyl Ketone (GCMS)	< 1.40	MA	< 1.40	MA
O,P-Xylene	< 1.36	< 1.36	< 1.36	MA
O,P-Xylene (GCMS)	< 2.00	MA	< 2.00	MA
Tetrachloroethene	< 0.750	< 0.750	< 0.750	MA
Tetrachloroethene (GCMS)	< 1.00	MA	< 1.00	MA
Toluene	< 1.47 A	< 1.47	2.12 A	MA
Toluene (GCMS)	1.10 A	MA	2.30 A	MA
Trichloroethene	0.971 A	< 0.560	1.78 A	MA
Trichloroethene (GCMS)	1.20 A	MA	2.30 A	MA
Vinyl Chloride	MA	MA	MA	MA
Vinyl Chloride (GCMS)	< 12.0	MA	< 12.0	MA

Notes: Values are reported in micrograms per liter.

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37436	37436	37437	37437
Date	01/02/90	02/28/90	01/02/90	02/28/90
<hr/>				
Analytes				
<hr/>				
Metals/Anions/General Chem				
Arsenic	< 2.35	< 2.35	< 2.35	< 2.35
Cadmium	< 6.78	< 6.78	< 6.78	< 6.78
Calcium	124000	109000	76900	76100
Chloride	75000	76000	82000	84000
Chromium	< 16.8	< 16.8	< 16.8	< 16.8
Copper	< 18.8	< 18.8	< 18.8	< 18.8
Cyanide	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	1220	1350	1170	1310
Iron	MA	< 77.5	MA	< 77.5
Lead	< 43.4	< 43.4	< 43.4	< 43.4
Magnesium	24700	23200	16700	17400
Manganese	MA	12.4	MA	< 9.67
Mercury	< 0.100	< 0.100	< 0.100	< 0.100
Nitrite, Nitrate -- Non-Specific	MA	5000	2400	1500
Potassium	4380	3930	3870	3240
Sodium	73000	81000	78000	75000
Sulfate	220000	220000	110000	110000
Total Organic Carbon	2000	2000	1000	1000

Notes: Values are reported in micrograms per liter.

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37436	37437	37437
Date	01/02/90	02/26/90	01/02/90
Analytes	MA	MA	MA
Metals/Anions/General Chem			
Total Suspended Solids	< 18.0	< 18.0	< 18.0
Zinc			
Phenols			
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	< 4.40
2,4-Dinitrophenol (GCMS)	< 176	< 176	< 176
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GCMS)	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80
5-Nitrophenol (GCMS)	< 96.0	< 96.0	< 96.0
Phenol (GCMS)	< 2.20	< 2.20	< 2.20
Semivolatiles			
1,4-Oxathiane	< 2.38	< 2.38	< 2.38
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-trichloroethane (DOT)	< 0.0490	< 0.0490	< 0.0490

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37436 01/02/90	37436 02/28/90	37437 01/02/90	37437 02/28/90
Analytes				
Semivolatiles				
2,2-Bis(parachlorophenyl)-1,1-Trichloroethane (DDE) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 0.0540	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46	< 7.46
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	< 4.03	< 4.03	< 4.03
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	< 7.70	< 7.70
Caprolactam (GCMS)	< 7.70	< 7.70	< 7.70	< 7.70
Chlordane	< 0.0950	< 0.0950	< 0.0950	< 0.0950

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37436	37436	37437	37437
Date	01/02/90	02/28/90	01/02/90	02/28/90
Analytes				
Semivolatiles				
Chlordane (GDMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	< 5.00	< 5.00	< 5.00
Dicyclopentadiene (GDMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	0.0468	< 0.0500	0.0744	0.0893
Dieldrin (GDMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	< 0.392	2.15	< 0.392	< 0.392
Diisopropyl Methylphosphonate (GDMS)	< 21.0	< 21.0	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	< 0.188	< 0.188	< 0.188
Dimethylmethyl Phosphonate (GDMS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	< 1.34	< 1.34	< 1.34
Dithiane (GDMS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Endrin (GDMS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	< 0.0480	< 0.0480
Hexachlorocyclopentadiene (GDMS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510
Isodrin (GDMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	< 0.373	< 0.373	< 0.373

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

Sample ID Date	37436 01/02/90	37436 02/28/90	37437 01/02/90	37437 02/28/90
Analytes				
Semivolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	< 0.647	< 0.647	< 0.647
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supona	< 0.787	< 0.787	< 0.787	< 0.787
Supona (GCMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	< 0.384	< 0.384	< 0.384
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	MA	< 1.00	MA	< 1.00
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GCMS)	MA	< 1.00	MA	< 1.00
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730
1,1-Dichloroethane (GCMS)	MA	< 1.00	MA	< 1.00
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GCMS)	MA	< 1.00	MA	< 1.00
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GCMS)	MA	< 1.00	MA	< 1.00

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37436	37436	37437	37437
Date	01/02/90	02/28/90	01/02/90	02/28/90
Analytes				
Volatiles				
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans) (GDMS)	MA	< 5.00	MA	< 5.00
Benzene	< 1.05	< 1.05	< 1.05	2.14
Benzene (GDMS)	MA	< 1.00	MA	< 1.00
Carbon Tetrachloride	< 0.990	< 0.990	< 0.990	< 0.990
Carbon Tetrachloride (GDMS)	MA	< 1.00	MA	< 1.00
Chlorobenzene	< 0.820	11.0 A	< 0.820	42.8 A
Chlorobenzene (GDMS)	MA	9.62 A	MA	17.3 A
Chloroform	< 0.500	15.1 A	< 0.500	40.9 A
Chloroform (GDMS)	MA	12.0 A	MA	27.0 A
Dibromochloropropane	< 0.195	< 0.195	< 0.195	0.302 A
Dibromochloropropane (GDMS)	< 12.0	< 12.0	< 12.0	< 12.0 A
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GDMS)	MA	< 1.00	MA	< 1.00
m-Xylene	< 1.32	< 1.32	< 1.32	< 1.32
m-Xylene (GDMS)	MA	< 1.00	MA	< 1.00
Methylene Chloride	< 7.40	< 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

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A -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37436 01/02/90	37436 02/28/90	37437 01/02/90	37437 02/28/90
Analytes				
Volatiles				
Methylene Chloride (GCMS)	MA	< 1.00	MA	< 1.00
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90	< 4.90
Methylisobutyl Ketone (GCMS)	MA	< 1.40	MA	< 1.40
O,P-Xylene	< 1.36	< 1.36	< 1.36	< 1.36
O,P-Xylene (GCMS)	MA	< 2.00	MA	< 2.00
Tetrachloroethene	< 0.750	< 0.750	< 0.750	< 0.750
Tetrachloroethene (GCMS)	MA	< 1.00	MA	< 1.00
Toluene	< 1.47	< 1.47	< 1.47	< 1.47
Toluene (GCMS)	MA	< 1.00	MA	< 1.00
Trichloroethene	< 0.560	< 0.560	< 0.560	0.729
Trichloroethene (GCMS)	MA	< 1.00	MA	< 1.00
Vinyl Chloride	MA	MA	MA	MA
Vinyl Chloride (GCMS)	MA	< 12.0	MA	< 12.0

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
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 R -- Data did not meet quality control criteria and were rejected.
 \ -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37438 01/25/90	37438 02/28/90	37439 01/25/90	37439 03/01/90
Analytes				
Metals/Anions/General Chem				
Arsenic	< 2.35	< 2.35	< 2.35	< 2.35
Cadmium	< 6.78	< 6.78	< 6.78	< 6.78
Calcium	66700	66800	83600	104000
Chloride	R	280000	R	200000
Chromium	< 16.8	< 16.8	< 16.8	< 16.8
Copper	< 18.8	< 18.8	< 18.8	< 18.8
Cyanide	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	R	4070	R	2340
Iron	MA	< 77.5	MA	< 77.5
Lead	< 43.4	< 43.4	< 43.4	< 43.4
Magnesium	19300	21200	20400	28200
Manganese	MA	< 9.67	MA	28.8
Mercury	< 0.100	< 0.100	< 0.100	< 0.100
Nitrite, Nitrate -- Non-Specific	5300	4900	3000	1800
Potassium	2600	2600	3290	3810
Sodium	300000	260000	180000	150000
Sulfate	R	170000	R	180000
Total Organic Carbon	< 1000	2000	< 1000	2000

Notes: V/L values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37438	37438	37439	37439
Date	01/25/90	02/28/90	01/25/90	03/01/90
Analytes	MA	MA	MA	MA
Metals/Anions/General Chem				
Total Suspended Solids	< 18.0	< 18.0	< 18.0	< 18.0
Zinc				
Phenols				
2,3,6-Trichlorophenol (GDMS)	< 1.70	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GDMS)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GDMS)	< 3.60	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GDMS)	< 8.40	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GDMS)	< 4.40	< 4.40	< 4.40	< 4.40
2,4-Dinitrophenol (GDMS)	< 176	< 176	< 176	< 176
2-Chlorophenol (GDMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Methylphenol (GDMS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GDMS)	< 8.20	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GDMS)	< 8.50	< 8.50	< 8.50	< 8.50
4-Methylphenol (GDMS)	< 2.80	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GDMS)	< 96.0	< 96.0	< 96.0	< 96.0
Phenol (GDMS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				
1,4-Oxathiane	< 2.38	< 2.38	< 2.38	< 2.38
1,4-Oxathiane (GDMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DET)	< 0.0490	< 0.0490	< 0.0490	< 0.0490

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37438	37438	37439	37439
Date	01/25/90	02/28/90	01/25/90	03/01/90
Analytes				
Semivolatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE)	< 0.0540	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46	< 7.46
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	< 0.0500	0.0711	< 0.0500	< 0.0500
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	< 4.03	< 4.03	< 4.03
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	10.4	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	< 7.70	< 7.70
Caprolactam (GCMS)	< 10.0	< 7.70	< 10.0	< 7.70
Chlordane	< 0.0950	< 0.0950	< 0.0950	< 0.0950

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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37438 01/25/90	37438 02/28/90	37439 01/25/90	37439 03/01/90
Analytes				
Semivolatiles				
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	< 5.00	< 5.00	< 5.00
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	0.150	0.127	0.0541	< 0.0500
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	3.57	3.47	2.07	2.54
Diisopropyl Methylphosphonate (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	< 0.188	< 0.188	< 0.188
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	< 1.34	< 1.34	< 1.34
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	< 0.0480	< 0.0480
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	< 0.373	< 0.373	< 0.373

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37436	37438	37439	37439
Date	01/25/90	02/28/90	01/25/90	03/01/90
Analytes				
Semivolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	< 0.647	< 0.647	< 0.647
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supona	< 0.787	< 0.787	< 0.787	< 0.787
Supona (GCMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	< 0.384	< 0.384	< 0.384
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	< 0.750	< 0.750	< 0.750	< 0.750
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00

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historical data and field data.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37438	37438	37439	37439
Date	01/25/90	02/28/90	01/25/90	03/01/90
Analytes				
Volatiles				
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans) (GDMS)	< 5.00	< 5.00	< 5.00	< 5.00
Benzene	< 1.05	8.46 A	25.8 A	2.99 A
Benzene (GDMS)	48.8	6.59 A	12.4 A	1.16 A
Carbon Tetrachloride	12.7 A	< 0.990	1.86 A	< 0.990
Carbon Tetrachloride (GDMS)	5.23 A	< 1.00	1.38 A	< 1.00
Chlorobenzene	19.0 A	103 A	180 A	23.4 A
Chlorobenzene (GDMS)	> 150	84.6 A	125 A	23.1 A
Chloroform	1200 A	160 A	420 A	75.1 A
Chloroform (GDMS)	> 150	> 150 A	> 150 A	30.0 A
Dibromochloropropane	3.03 A	1.18 A	0.842 A	0.539 A
Dibromochloropropane (GDMS)	< 12.0 A	< 12.0 A	< 12.0 A	< 12.0 A
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GDMS)	1.20	< 1.00	< 1.00	< 1.00
m-Xylene	< 1.32	< 1.32	< 1.32	< 1.32
m-Xylene (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
Methylene Chloride	< 7.40	< 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37438	37438	37439	37439
Date	01/25/90	02/28/90	01/25/90	03/01/90
Analytes				
Volatiles				
Methylene Chloride (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90	< 4.90
Methylisobutyl Ketone (GDMS)	< 1.40	< 1.40	< 1.40	< 1.40
O,P-Xylene	< 1.36	< 1.36	< 1.36	< 1.36
O,P-Xylene (GDMS)	1.98	< 2.00	< 2.00	< 2.00
Tetrachloroethene	1.66 A	< 0.750	< 0.750	< 0.750
Tetrachloroethene (GDMS)	< 1.00 A	< 1.00	< 1.00	< 1.00
Toluene	< 1.47	2.22 A	3.42 A	< 1.47
Toluene (GDMS)	7.50	2.80 A	3.00 A	< 1.00
Trichloroethene	19.1 A	2.36 A	5.48 A	0.619
Trichloroethene (GDMS)	12.0 A	2.30 A	4.20 A	< 1.00
Vinyl Chloride	MA	MA	MA	MA
Vinyl Chloride (GDMS)	< 12.0	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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A -- Data considered anomalous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

Sample ID	37440	37440	37441	37441
Date	01/25/90	03/01/90	01/29/90	03/01/90
Analytes				
Metals/Anions/General Chem				
Arsenic	< 2.35	< 2.35	< 2.35	< 2.35
Cadmium	< 6.78	< 6.78	< 6.78	< 6.78
Calcium	77400	81200	114000	102000
Chloride	R	86000	R	53000
Chromium	< 16.8	< 16.8	< 16.8	< 16.8
Copper	< 18.8	< 18.8	< 18.8	< 18.8
Cyanide	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	R	1360	R	1230
Iron	MA	< 77.5	MA	< 77.5
Lead	< 43.4	< 43.4	< 43.4	< 43.4
Magnesium	14900	17100	20800	19900
Manganese	MA	< 9.67	MA	< 9.67
Mercury	< 0.100	< 0.100	< 0.100	< 0.100
Nitrite, Nitrate -- Non-Specific	1700	2000	8500	810
Potassium	4030	2920	4050	4540
Sodium	83000	80000	92000	78060
Sulfate	R	120000	R	160000
Total Organic Carbon	< 1000	2000	< 1000	2000

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37440	37441	37441
Date	01/25/99	03/01/99	01/29/99
Analytes	MA	MA	MA
Metals/Anions/General Chem			
Total Suspended Solids	< 18.0	< 18.0	< 18.0
Zinc	< 1.70	< 1.70	< 1.70
Phenols	< 2.80	< 2.80	< 2.80
2,3,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60
2,4,5-Trichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40
2,4,6-Trichlorophenol (GCMS)	< 4.40	< 4.40	< 4.40
2,4-Dichlorophenol (GCMS)	< 176	< 176	< 176
2,4-Dimethylphenol (GCMS)	< 2.80	< 2.80	< 2.80
2,4-Dinitrophenol (GCMS)	< 3.60	< 3.60	< 3.60
2-Chlorophenol (GCMS)	< 8.20	< 8.20	< 8.20
2-Methylphenol (GCMS)	< 8.50	< 8.50	< 8.50
2-Nitrophenol (GCMS)	< 2.80	< 2.80	< 2.80
3-Methyl-4-Chlorophenol (GCMS)	< 96.0	< 96.0	< 96.0
4-Methylphenol (GCMS)	< 2.20	< 2.20	< 2.20
4-Nitrophenol (GCMS)	< 2.38	< 2.38	< 2.38
Phenol (GCMS)	< 27.0	< 27.0	< 27.0
Semivolatiles	< 0.0490	< 0.0490	< 0.0490
1,4-Oxathiane			
1,4-Oxathiane (GCMS)			
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01)			

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37440 01/25/90	37440 03/01/90	37441 01/29/90	37441 03/01/90
Analytes				
Semi-volatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GC/MS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE)	< 0.0540	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GC/MS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GC/MS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46	< 7.46
4-Chlorophenylmethyl Sulfone (GC/MS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulfoxide (GC/MS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Aldrin (GC/MS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	< 4.03	< 4.03	< 4.03
Atrazine (GC/MS)	< 5.90	< 5.90	< 5.90	< 5.90
Benothiazole	< 5.00	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GC/MS)	< 7.70	< 7.70	< 7.70	< 7.70
Caprolactam (GC/MS)	< 10.0	< 7.70	< 10.0	< 7.70
Chlordane	< 0.0950	< 0.0950	< 0.0950	< 0.0950

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample ID Date	37440 01/25/90	37440 03/01/90	37441 01/29/90	37441 03/01/90
Analytes				
Semivolatiles				
Chlordane (GDMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	< 5.00	< 5.00	< 5.00
Dicyclopentadiene (GDMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Dieldrin (GDMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	< 0.392	< 0.392	< 0.392	< 0.392
Diisopropyl Methylphosphonate (GDMS)	< 21.0	< 21.0	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	< 0.188	< 0.188	< 0.188
Dimethylmethyl Phosphonate (GDMS)	< 130	< 130	< 130	< 130
Dichlorane	< 1.34	< 1.34	< 1.34	< 1.34
Dichlorane (GDMS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Endrin (GDMS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	< 0.0480	< 0.0480
Hexachlorocyclopentadiene (GDMS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510
Isodrin (GDMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	< 0.373	< 0.373	< 0.373

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

Table B1 Groundwater Investigative Analytical Data

Sample ID	37440	37440	37441	37441
Date	01/25/90	03/01/90	01/29/90	03/01/90
Analytes				
Semivolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	< 0.647	< 0.647	< 0.647
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supona	< 0.787	< 0.787	< 0.787	< 0.787
Supona (GCMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	< 0.384	< 0.384	< 0.384
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37440	37440	37441	37441
Date	01/25/90	03/01/90	01/29/90	03/01/90
Analytes				
Volatiles				
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans) (GCMS)	< 5.00	< 5.00	< 5.00	< 5.00
Benzene	30.6 A	< 1.05 A	41.3 A	< 1.05
Benzene (GCMS)	12.4 A	0.930 A	9.30 A	< 1.00
Carbon Tetrachloride	2.57 A	< 0.990	3.09 A	< 0.990
Carbon Tetrachloride (GCMS)	1.56 A	< 1.00	2.20 A	< 1.00
Chlorobenzene	192 A	14.9 A	130 A	< 0.820
Chlorobenzene (GCMS)	115 A	22.1 A	115 A	< 1.00
Chloroform	220 A	18.4 A	800 A	< 0.500
Chloroform (GCMS)	> 150 A	24.0 A	> 150 A	< 1.00
Dibromochloropropane	0.697 A	< 0.195	1.27 A	< 0.195
Dibromochloropropane (GCMS)	< 12.0 A	< 12.0	< 12.0 A	< 12.0
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
m-Xylene	< 1.32	< 1.32	< 1.32	< 1.32
p-Xylene (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
Methylene Chloride	< 7.40	< 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37440 01/25/90	37440 03/01/90	37441 01/29/90	37441 03/01/90
Analytes				
Volatiles				
Methylene Chloride (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90	< 4.90
Methylisobutyl Ketone (GCMS)	< 1.40	< 1.40	< 1.40	< 1.40
O,P-Xylene	< 1.36	< 1.36	< 1.36	< 1.36
O,P-Xylene (GCMS)	< 2.00	< 2.00	< 2.00	< 2.00
Tetrachloroethene	< 0.750	< 0.750	< 0.750	< 0.750
Tetrachloroethene (GCMS)	< 1.00	< 1.00	1.02	< 1.00
Toluene	4.09 A	< 1.47	4.72 A	< 1.47
Toluene (GCMS)	2.80 A	< 1.00	3.60 A	< 1.00
Trichloroethene	5.51 A	< 0.560	7.76 A	< 0.560
Trichloroethene (GCMS)	3.80 A	< 1.00	4.90 A	< 1.00
Vinyl Chloride	MA	MA	MA	MA
Vinyl Chloride (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37441	37442	37443
Date	06/12/90	03/02/90	03/01/90
Analytes			
<hr/>			
Metals/Anions/General Chem			
Arsenic	< 2.35	< 2.35	< 2.35
Cadmium	< 6.78	< 6.78	< 6.78
Calcium	113000	119000	93500
Chloride	54000	140000	130000
Chromium	< 16.8	< 16.8	< 16.8
Copper	< 18.8	< 18.8	< 18.8
Cyanide	R	< 5.00	< 5.00
Fluoride	1020	2020	2430
Iron	MA	< 77.5	< 77.5
Lead	< 43.4	< 43.4	< 43.4
Magnesium	20100	29400	26800
Manganese	MA	391	15.3
Mercury	1.64	< 0.100	< 0.100
Nitrite, Nitrate -- Non-Specific	6100	2700	7100
Potassium	3410	3770	4010
Sodium	73000	99000	26100
Sulfate	140000	150000	210000
Total Organic Carbon	2000	2000	2000

Notes: Values are reported in micrograms per liter.
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Table 81 Groundwater Investigative Analytical Data

Sample ID	37441	37442	37443
Date	06/12/90	03/02/90	03/01/90
Analytes			
<hr/>			
Metals/Anions/General Chem			
Total Suspended Solids			
Zinc	MA < 18.0	MA < 18.0	MA < 18.0
Phenols			
2,3,6-Trichlorophenol (GDMS)	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GDMS)	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GDMS)	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GDMS)	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GDMS)	< 4.40	< 4.40	< 4.40
2,4-Dinitrophenol (GDMS)	< 176	< 176	< 176
2-Chlorophenol (GDMS)	< 2.80	< 2.80	< 2.80
2-Methylphenol (GDMS)	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GDMS)	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GDMS)	< 8.50	< 8.50	< 8.50
4-Methylphenol (GDMS)	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GDMS)	< 96.0	< 96.0	< 96.0
Phenol (GDMS)	< 2.20	< 2.20	< 2.20
Semivolatiles			
1,4-Oxathiane	< 2.38	< 2.38	< 2.38
1,4-Oxathiane (GDMS)	< 27.0	< 27.0	< 27.0
2,2-Bis(porachlorophenyl)-1,1,1-Trichloroethane (DOT)	< 0.0490	< 0.0490	< 0.0490

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37441	37442	37442	37443
Date	06/12/90	03/02/90	06/12/90	03/01/90
Analytes				
SemiVolatiles				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE)	< 0.0540	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46	< 7.46
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfonide	< 11.5	< 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulfonide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	< 4.03	< 4.03	< 4.03
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	< 7.70	< 7.70
Caprolactam (GCMS)	< 10.0	< 7.70	< 10.0	< 7.70
Chlordane	< 0.0950	< 0.0950	< 0.0950	< 0.0950

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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37441 06/12/90	37442 03/02/90	37442 06/12/90	37443 03/01/90
Analytes				
Semivolatiles				
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	< 5.00	< 5.00	< 5.00
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	< 0.0500	< 0.0500	< 0.0500	0.0590
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	< 0.392	0.476	< 0.392	7.28
Diisopropyl Methylphosphonate (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	< 0.188	< 0.188	< 0.188
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	< 1.34	< 1.34	< 1.34
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	< 0.0480	< 0.0480
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	< 0.0510	0.236	< 0.0510	< 0.0510
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	< 0.373	< 0.373	< 0.373

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37441	37442	37442	37443
Date	06/12/90	03/02/90	06/12/90	03/01/90
Analytes				
Semivolatiles				
Melathion (GDMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	< 0.647	< 0.647	< 0.647
Parathion (GDMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GDMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supons	< 0.787	< 0.787	< 0.787	< 0.787
Supons (GDMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapors	< 0.394	< 0.394	< 0.394	< 0.394
Vapors (GDMS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730
1,1-Dichloroethane (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of

historical data and field data.

Table 81 Groundwater Investigative Analytical Data

Sample ID Date	37441 06/12/90	37442 03/02/90	37442 06/12/90	37443 03/01/90
Analytes				
Volatiles				
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans) (GDMS)	< 5.00	< 5.00	< 5.00	< 5.00
Benzene	< 1.05	< 1.05	< 1.05	< 1.05
Benzene (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Tetrachloride	< 0.990	< 0.990	< 0.990	< 0.990
Carbon Tetrachloride (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	< 0.820	10.7 A	< 0.820	11.7 A
Chlorobenzene (GDMS)	< 1.00	11.5 A	< 1.00	11.5 A
Chloroform	< 0.500	25.9 A	< 0.500	15.2 A
Chloroform (GDMS)	< 1.00	12.0 A	< 1.00	9.30 A
Dibromochloropropane	< 0.195	9.206 A	< 0.195	< 0.195
Dibromochloropropane (GDMS)	< 12.0	< 12.0 A	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
m-Xylene	< 1.32	< 1.32	< 1.32	< 1.32
p-Xylene (GDMS)	< 1.00	< 1.00	< 1.00	< 1.00
Methylene Chloride	< 7.40	< 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

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A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37441	37442	37442	37443
Date	06/12/90	03/02/90	06/12/90	03/01/90
Analytes				
Volatiles				
Methylene Chloride (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90	< 4.90
Methylisobutyl Ketone (GCMS)	< 1.40	< 1.40	< 1.40	< 1.40
O,P-Xylene	< 1.36	< 1.36	< 1.36	< 1.36
O,P-Xylene (GCMS)	< 2.00	< 2.00	< 2.00	< 2.00
Non-Halogenated Aromatics				
Tetrachloroethene	< 0.750	< 0.750	< 0.750	< 0.750
Tetrachloroethene (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	< 1.47	< 1.47	< 1.47	< 1.47
Toluene (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	< 0.560	< 0.560	< 0.560	< 0.560
Chlorinated Aromatics				
Trichloroethene (GCMS)	6.00	< 1.00	9.60	< 1.00
Vinyl Chloride	MA	MA	MA	MA
Vinyl Chloride (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37443	37444	37444
Date	06/13/90	03/02/90	06/13/90
Analytes			
Metals/Anions/General Chem			
Arsenic	2.65	< 2.35	2.65
Cadmium	< 6.78	< 6.78	< 6.78
Calcium	101000	82300	109000
Chloride	130000	110000	140000
Chromium	< 16.8	< 16.8	< 16.8
Copper	< 18.8	< 18.8	< 18.8
Cyanide	R	< 5.00	R
Fluoride	2200	1540	1330
Iron	MA	< 77.5	MA
Lead	< 43.4	< 43.4	< 43.4
Magnesium	27500	19400	23900
Manganese	MA	46.5	MA
Mercury	1.19	< 0.100	1.01
Nitrite, Nitrate -- Non-Specific	7000	3700	4200
Potassium	2920	3430	2610
Sodium	140000	110000	160000
Sulfate	180000	130000	130000
Total Organic Carbon	2000	2000	1000

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample ID 37443 37444 37444
Date 06/13/90 03/02/90 06/13/90

Analytes

Metals/Anions/General Chem

Total Suspended Solids

Zinc

MA MA MA
< 18.0 < 18.0 < 18.0

Phenols

2,3,6-Trichlorophenol (GCMS)

2,4,5-Trichlorophenol (GCMS)

2,4,6-Trichlorophenol (GCMS)

2,4-Dichlorophenol (GCMS)

2,4-Dimethylphenol (GCMS)

< 1.70 < 1.70 < 1.70
< 2.80 < 2.80 < 2.80
< 3.60 < 3.60 < 3.60
< 8.40 < 8.40 < 8.40
< 4.40 < 4.40 < 4.40

2,4-Dinitrophenol (GCMS)

2-Chlorophenol (GCMS)

2-Methylphenol (GCMS)

2-Nitrophenol (GCMS)

3-Methyl-4-Chlorophenol (GCMS)

< 176 < 176 < 176
< 2.80 < 2.80 < 2.80
< 3.60 < 3.60 < 3.60
< 8.20 < 8.20 < 8.20
< 8.50 < 8.50 < 8.50

4-Methylphenol (GCMS)

4-Nitrophenol (GCMS)

Phenol (GCMS)

< 2.80 < 2.80 < 2.80
< 96.0 < 96.0 < 96.0
< 2.20 < 2.20 < 2.20

Semivolatiles

1,4-Oxathiane

1,4-Oxathiane (GCMS)

2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT)

< 2.38 < 2.38 < 2.38
< 27.0 < 27.0 < 27.0
< 0.0490 < 0.0490 < 0.0490

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37443	37444	37444
Date	06/13/90	03/02/90	06/13/90
Analytes			
Semivolatiles			
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS)	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0
Aldrin	< 0.0500	< 0.0500	< 0.0500
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	< 4.03	< 4.03
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	< 7.70
Caprolactam (GCMS)	< 10.0	< 7.70	< 10.0
Chlordane	< 0.0950	< 0.0950	< 0.0950

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample ID	37443	37444	37444
Date	06/13/90	06/13/90	06/13/90
Analytes			
Semivolatiles			
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	< 5.00	< 5.00
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50
Dieldrin	0.0619	< 0.0500	< 0.0500
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	5.54	0.475	0.814
Diisopropyl Methylphosphonate (GCMS)	< 21.0	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	< 0.188	< 0.188
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130
Dithiane	< 1.34	< 1.34	< 1.34
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30
Endrin	< 0.0500	< 0.0500	< 0.0500
Endrin (GCMS)	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	< 0.0480
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0
Isodrin	< 0.0510	< 0.0510	< 0.0510
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80
Melathion	< 0.373	< 0.373	< 0.373

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of

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Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37443 06/13/90	37444 03/02/90	37444 06/13/90
Analytes			
Semivolatiles			
Malathion (GCMS)	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	< 0.647	< 0.647
Parathion (GCMS)	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10
Supona	< 0.787	< 0.787	< 0.787
Supona (GCMS)	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	< 0.384	< 0.384
Vapona (GCMS)	< 8.50	< 8.50	< 8.50
Volatiles			
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GCMS)	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00

Notes: Values are reported in micrograms per liter.

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37443	37444	37444
Date	06/13/90	03/02/90	06/13/90
Analytes			
Volatiles			
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans) (GCMS)	< 5.00	< 5.00	< 5.00
Benzene	< 1.05	1.77 A	< 1.05
Benzene (GCMS)	< 1.00	1.09 A	< 1.00
Carbon Tetrachloride	< 0.990	< 0.990	< 0.990
Carbon Tetrachloride (GCMS)	< 1.00	< 1.00	< 1.00
Chlorobenzene	< 0.820	10.6 A	< 0.820
Chlorobenzene (GCMS)	< 1.00	19.2 A	< 1.00
Chloroform	1.55	30.8 A	2.65
Chloroform (GCMS)	2.20	26.0 A	3.80
Dibromochloropropane	< 0.195	0.225 A	< 0.195
Dibromochloropropane (GCMS)	< 12.0	< 12.0 A	< 12.0
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GCMS)	< 1.00	< 1.00	< 1.00
n-Xylene	< 1.32	< 1.32	< 1.32
n-Xylene (GCMS)	< 1.00	< 1.00	< 1.00
Methylene Chloride	< 7.40	< 7.40	< 7.40

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Table B1 Groundwater Investigative Analytical Data

Sample ID	37443	37444	37444
Date	06/13/90	05/02/90	06/13/90
Analytes			
Volatiles			
Methylene Chloride (GCMS)	< 1.00	< 1.00	< 1.00
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90
Methylisobutyl Ketone (GCMS)	< 1.40	< 1.40	< 1.40
O,P-Xylene	< 1.36	< 1.36	< 1.36
O,P-Xylene (GCMS)	< 2.00	< 2.00	< 2.00
Tetrachloroethene	< 0.750	< 0.750	< 0.750
Tetrachloroethene (GCMS)	< 1.00	< 1.00	< 1.00
Toluene	< 1.47	< 1.47	< 1.47
Toluene (GCMS)	< 1.00	< 1.00	< 1.00
Trichloroethene	< 0.560	< 0.560	< 0.560
Trichloroethene (GCMS)	< 1.00	< 1.00	< 1.00
Vinyl Chloride	MA	MA	MA
Vinyl Chloride (GCMS)	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter.

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Table B2 Groundwater GC/MS Analytical Data

Sample ID Date	MA1048 12/18/89 GC/MS of 37418	MA1069 12/28/89 GC/MS of 37430	MA1163 02/01/90 GC/MS of MA1072	MA1168 02/22/90 GC/MS of 37404
Analytes				
Phenols				
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70	MA
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	MA
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60	MA
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40	MA
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	< 4.40	MA
2,4-Dinitrophenol (GCMS)	< 176	< 176	< 176	MA
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	MA
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60	MA
2-Nitrophenol (GCMS)	< 8.20	< 8.20	< 8.20	MA
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50	MA
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80	MA
4-Nitrophenol (GCMS)	< 96.0	< 96.0	< 96.0	MA
Phenol (GCMS)	< 2.20	< 2.20	< 2.20	MA
Semivolatiles				
1,4-Dioxane (GCMS)	< 27.0	< 27.0	< 27.0	MA
2,2-Bis(parachlorophenyl)-1,1-Trichloroethane (DOT) (GCMS)	< 18.0	< 18.0	< 18.0	MA
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GCMS)	< 14.0	< 14.0	< 14.0	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B2 Groundwater GC/MS Analytical Data

Sample ID Date	MA1048 12/18/89 GC/MS of 37418	MA1069 12/28/89 GC/MS of 37430	MA1163 02/01/90 GC/MS of MA1072	MA1168 02/22/90 GC/MS of 37404
Analytes				
Semivolatiles				
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	MA
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	MA
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	MA
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	MA
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	MA
Bis (2-Ethylhexyl) Phthalate (GCMS)	176	MA	< 7.70	MA
Caprolactam (GCMS)	< 10.0	MA	< 10.0	MA
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	MA
Dicyclopentadiene (GCMS)	264	< 5.50	365	MA
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	MA
Diisopropyl Methylphosphonate (GCMS)	> 200	< 21.0	> 200	MA
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	MA
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	MA
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	MA
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	MA
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	MA

-- Values are reported in micrograms per liter.

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A -- Results considered anomalous based on evaluation of

Vertical and Horizontal Data

Table B2 Groundwater GC/MS Analytical Data

Sample ID Date	MA1048 12/18/89 GC/MS of 37418	MA1069 12/28/89 GC/MS of 37430	MA1163 02/01/90 GC/MS of MA1072	MA1168 02/22/90 GC/MS of 37404
Analytes				
Semi-volatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	MA
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	MA
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	MA
Supona (GCMS)	< 19.0	< 19.0	< 19.0	MA
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	MA
Volatiles				
1,1,1-Trichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethene (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane (GCMS)	3.1	< 1.00	12.0	< 1.00
1,2-Dichloroethenes (cis & trans) (GCMS)	< 1.00	< 5.00	< 5.00	< 5.00
Benzene (GCMS)	< 1.00	< 1.00	< 1.00	15.5 A
Carbon Tetrachloride (GCMS)	< 1.00	< 1.00	< 1.00	1.56 A
Chlorobenzene (GCMS)	< 1.00	< 1.00	< 1.00	96.2 A
Chloroform (GCMS)	< 1.00	< 1.00	< 1.00	> 150 A
Dibromochloropropane (GCMS)	< 12.0	< 12.0	< 12.0	MA

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B2 Groundwater GC/MS Analytical Data

Sample ID Date	MA1048 12/18/89 GC/MS of 37418	MA1069 12/28/89 GC/MS of 37430	MA1163 02/01/90 GC/MS of MA1072	MA1168 02/22/90 GC/MS of 37404
Analytes				
Volatiles				
Ethyl Benzene (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
m-Xylene (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
Methylene Chloride (GCMS)	< 1.00	< 1.00	< 1.00	< 1.00
Methylisobutyl Ketone (GCMS)	< 1.40	< 1.40	< 1.40	< 1.40
O,p-Xylene (GCMS)	< 2.00	< 2.00	< 2.00	< 2.00
Tetrachloroethene (GCMS)	13.9	< 1.00	7.41	< 1.00
Toluene (GCMS)	< 1.00	< 1.00	< 1.00	3.00 A
Trichloroethene (GCMS)	8.20	< 1.00	2.60	3.50 A
Vinyl Chloride (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

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Table B2 Groundwater GC/MS Analytical Data

Sample ID Date	MA1169 02/27/90 GC/MS of 37435	MA1171 02/28/90 GC/MS of 37438	MA1199 06/12/90 GC/MS of 37441
Analytes			
Phenols			
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	< 4.40
2,4-Dinitrophenol (GCMS)	< 176	< 176	< 176
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GCMS)	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GCMS)	< 96.0	< 96.0	< 96.0
Phenol (GCMS)	< 2.20	< 2.20	< 2.20
Semivolatiles			
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS)	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	< 14.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B2 Groundwater GC/MS Analytical Data

Sample ID Date	MA1169 02/27/90 GC/MS of 37435	MA1171 02/28/90 GC/MS of 37438	MA1199 06/12/90 GC/MS of 37441
Analytes			
Semivolatiles			
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	< 7.70
Caprolactam (GCMS)	< 7.70	< 7.70	< 16.0
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate (GCMS)	< 21.0	< 21.0	< 21.0
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30
Endrin (GCMS)	< 18.0	< 18.0	< 18.0
Mesachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

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Table B2 Groundwater GC/MS Analytical Data

Sample ID Date	MA1169 02/27/90 GC/MS of 37435	MA1171 02/28/90 GC/MS of 37438	MA1199 06/12/90 GC/MS of 37441
Analytes			
Semivolatiles			
Malathion (GC/MS)	< 21.0	< 21.0	< 21.0
Parathion (GC/MS)	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GC/MS)	< 9.10	< 9.10	< 9.10
Supona (GC/MS)	< 19.0	< 19.0	< 15.0
Vapona (GC/MS)	< 8.50	< 8.50	< 8.50
Volatiles			
1,1,1-Trichloroethane (GC/MS)	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane (GC/MS)	< 1.00	< 1.00	5.23
1,1-Dichloroethane (GC/MS)	< 1.00	< 1.00	< 1.00
1,1-Dichloroethene (GC/MS)	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane (GC/MS)	< 1.00	< 1.00	< 1.00
1,2-Dichloroethenes (cis & trans) (GC/MS)	< 5.00	< 5.00	< 5.00
Benzene (GC/MS)	7.44	9.30	< 1.00
Carbon Tetrachloride (GC/MS)	1.10	1.47	< 1.00
Chlorobenzene (GC/MS)	73.1	96.2	< 1.00
Chloroform (GC/MS)	> 150	> 150	< 1.00
Dibromochloropropane (GC/MS)	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- Indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B2 Groundwater GC/MS Analytical Data

Sample ID	MA1169	MA1171	MA1199
Date	02/27/90	02/28/90	06/12/90
Analytes	GC/MS of 37435	GC/MS of 37438	GC/MS of 37441
<hr/>			
Volatiles			
Ethyl Benzene (GCMS)	< 1.00	< 1.00	< 1.00
m-Xylene (GCMS)	< 1.00	< 1.00	< 1.00
Methylene Chloride (GCMS)	< 1.00	< 1.00	< 1.00
Methylisobutyl Ketone (GCMS)	< 1.40	< 1.40	< 1.40
O,p-Xylene (GCMS)	< 2.00	< 2.00	< 2.00
<hr/>			
Tetrachloroethene (GCMS)	< 1.00	< 1.00	< 1.00
Toluene (GCMS)	2.30 A	3.30 A	< 1.00
Trichloroethene (GCMS)	2.30 A	3.20 A	27.0
Vinyl Chloride (GCMS)	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- Indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

total and individual analytes.

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1018 09/27/89	MA1019 09/27/89	MA1021 10/26/89	MA1025 11/09/89	MA1046 02/12/90
Analytes					
Metals/Anions/General Chem					
Arsenic	MA	MA	MA	MA	< 2.35
Cadmium	MA	MA	MA	MA	< 6.78
Calcium	MA	MA	MA	MA	459
Chloride	MA	MA	MA	MA	< 278
Chromium	MA	MA	MA	MA	< 16.8
Copper	MA	MA	MA	MA	< 18.8
Cyanide	MA	MA	MA	MA	< 5.00
Fluoride	MA	MA	MA	MA	< 153
Iron	MA	MA	MA	MA	266
Lead	MA	MA	MA	MA	< 43.4
Magnesium	MA	MA	MA	MA	< 135
Manganese	MA	MA	MA	MA	< 9.67
Mercury	MA	MA	MA	MA	< 0.100
Nitrite, Nitrate -- Non-Specific	MA	MA	MA	MA	116
Potassium	MA	MA	MA	MA	< 1240
Sodium	MA	MA	MA	MA	456
Sulfate	MA	MA	MA	MA	362
Total Organic Carbon	MA	MA	MA	MA	< 1000

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater QA/QC Analytical Data

Sample ID	MA1018	MA1019	MA1021	MA1025	MA1046
Date	09/27/89	09/27/89	10/26/89	11/09/89	02/12/90
Analytes					
Metals/Anions/General Chem					
Total Suspended Solids	MA	MA	MA	MA	MA
Zinc	MA	MA	MA	MA	< 18.0
Phenols					
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	MA	MA	< 1.70
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	MA	MA	< 2.80
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	MA	MA	< 3.60
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	MA	MA	< 8.40
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	MA	MA	< 4.40
Phenols					
2,4-Dinitrophenol (GCMS)	< 176	< 176	MA	MA	< 176
2-Chlorophenol (GCMS)	< 2.80	< 2.80	MA	MA	< 2.80
2-Methylphenol (GCMS)	< 3.60	< 3.60	MA	MA	< 3.60
2-Nitrophenol (GCMS)	< 8.20	< 8.20	MA	MA	< 8.20
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	MA	MA	< 8.50
Phenols					
4-Methylphenol (GCMS)	< 2.80	< 2.80	MA	MA	< 2.80
4-Nitrophenol (GCMS)	< 96.0	< 96.0	MA	MA	< 96.0
Phenol (GCMS)	< 2.20	< 2.20	MA	MA	< 2.20
Semivolatiles					
1,4-Oxathiane	< 2.38	< 2.38	MA	MA	< 2.38
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	MA	MA	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT)	MA	MA	MA	MA	< 0.0490

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R - Data did not meet quality control criteria and were rejected.

MA - Not Analyzed.

Trichloroethane

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1018 09/27/89	MA1019 09/27/89	MA1021 10/26/89	MA1025 11/09/89	MA1046 02/12/90
Analytes					
Semivolatiles					
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS)	< 18.0	< 18.0	MA	MA	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE)	MA	MA	MA	MA	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GCMS)	< 14.0	< 14.0	MA	MA	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	MA	MA	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	MA	MA	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	MA	MA	< 7.46
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	MA	MA	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	MA	MA	< 11.5
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	MA	MA	< 15.0
Aldrin	MA	MA	MA	MA	< 0.0500
Aldrin (GCMS)	< 13.0	< 13.0	MA	MA	< 13.0
Atrazine	< 4.03	< 4.03	MA	MA	< 4.03
Atrazine (GCMS)	< 5.90	< 5.90	MA	MA	< 5.90
Benzothiazole	< 5.00	< 5.00	MA	MA	< 5.00
Bicyclo [2,2,1] hept-2,5-diene	< 5.90	< 5.90	MA	MA	< 5.90
Bis (2-Ethylhexyl) Phthalate (GCMS)	MA	MA	MA	MA	< 7.70
Caprolactam (GCMS)	MA	MA	MA	MA	< 10.0
Chlordane	MA	MA	MA	MA	< 0.0950

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

PB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1018 09/27/89	MA1019 09/27/89	MA1021 10/26/89	MA1025 11/09/89	MA1046 02/12/90
Analytes					
Semivolatiles					
Chlordane (GCMS)	< 37.0	< 37.0	MA	MA	< 37.0
Dicyclopentadiene	< 5.00	< 5.00	MA	MA	< 5.00
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	MA	MA	< 5.50
Dieldrin	MA	MA	MA	MA	< 0.0500
Dieldrin (GCMS)	< 26.0	< 26.0	MA	MA	< 26.0
Diisopropyl Methylphosphonate	< 0.392	< 0.392	MA	MA	< 0.392
Diisopropyl Methylphosphonate (GCMS)	< 21.0	< 21.0	MA	MA	< 21.0
Dimethylmethyl Phosphonate	< 0.188	< 0.188	MA	MA	< 0.188
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	MA	MA	< 130
Dithiane	< 1.34	< 1.34	MA	MA	< 1.34
Dithiane (GCMS)	< 3.30	< 3.30	MA	MA	< 3.30
Endrin	MA	MA	MA	MA	< 0.0500
Endrin (GCMS)	< 18.0	< 18.0	MA	MA	< 18.0
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	MA	MA	< 0.0480
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	MA	MA	< 54.0
Isodrin	MA	MA	MA	MA	< 0.0510
Isodrin (GCMS)	< 7.80	< 7.80	MA	MA	< 7.80
Malathion	< 0.373	< 0.373	MA	MA	< 0.373

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

MA -- Not Analyzed.

Table B3 Groundwater GA/OC Analytical Data

Sample ID Date	MA1018 09/27/89	MA1019 09/27/89	MA1021 10/26/89	MA1025 11/09/89	MA1046 02/12/90
Analytes					
Semivolatiles					
Malathion (GCMS)	< 21.0	< 21.0	MA	MA	< 21.0
Parathion	< 0.647	< 0.647	MA	MA	< 0.647
Parathion (GCMS)	< 37.0	< 37.0	MA	MA	< 37.0
Pentachlorophenol (GCMS)	< 9.0	< 9.10	MA	MA	< 9.10
Supona	< 0.787	< 0.787	MA	MA	R
Supona (GCMS)	< 19.0	< 19.0	MA	MA	< 19.0
Vapona	< 0.384	< 0.384	MA	MA	< 0.384
Vapona (GCMS)	< 8.50	< 8.50	MA	MA	< 8.50
Volatiles					
1,1,1-Trichloroethane	MA	MA	MA	MA	< 0.760
1,1,1-Trichloroethane (GCMS)	MA	MA	MA	MA	< 1.00
1,1,2-Trichloroethane	MA	MA	MA	MA	< 0.780
1,1,2-Trichloroethane (GCMS)	MA	MA	MA	MA	< 1.00
1,1-Dichloroethane	MA	MA	MA	MA	< 0.730
1,1-Dichloroethane (GCMS)	MA	MA	MA	MA	< 1.00
1,1-Dichloroethane	MA	MA	MA	MA	< 1.70
1,1-Dichloroethane (GCMS)	MA	MA	MA	MA	< 1.00
1,2-Dichloroethane	MA	MA	MA	MA	< 1.10
1,2-Dichloroethane (GCMS)	MA	MA	MA	MA	< 1.00

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1018 09/27/89	MA1019 09/27/89	MA1021 10/26/89	MA1025 11/09/89	MA1046 02/12/90
Analytes					
Volatiles					
1,2-Dichloroethenes (cis & trans)	MA	MA	MA	MA	< 0.760
1,2-Dichloroethenes (cis & trans) (GCMS)	MA	MA	MA	MA	< 5.00
Benzene	MA	MA	MA	MA	< 1.05
Benzene (GCMS)	MA	MA	MA	MA	< 1.00
Carbon Tetrachloride	MA	MA	MA	MA	< 0.990
Carbon Tetrachloride (GCMS)	MA	MA	MA	MA	< 1.00
Chlorobenzene	MA	MA	MA	MA	< 0.820
Chlorobenzene (GCMS)	MA	MA	MA	MA	< 1.00
Chloroform	MA	MA	MA	MA	< 0.500
Chloroform (GCMS)	MA	MA	MA	MA	< 1.00
Dibromochloropropane	< 0.195	< 0.195	MA	MA	< 0.195
Dibromochloropropane (GCMS)	< 12.0	< 12.0	MA	MA	< 12.0
Dimethyl Disulfide	< 0.550	< 0.550	MA	MA	< 0.550
Ethyl Benzene	MA	MA	MA	MA	< 1.37
Ethyl Benzene (GCMS)	MA	MA	MA	MA	< 1.00
m-Xylene	MA	MA	MA	MA	< 1.32
m-Xylene (GCMS)	MA	MA	MA	MA	< 1.00
Methylene Chloride	MA	MA	MA	MA	< 7.40

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

MA -- Risk Rank on fieldwork.

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1018 09/27/89	MA1019 09/27/89	MA1021 10/26/89	MA1025 11/09/89	MA1046 02/12/90
Analytes					
Volatiles					
Methylene Chloride (GCMS)	MA	MA	MA	MA	< 1.00
Methylisobutyl Ketone	< 4.90	< 4.90	MA	MA	< 4.90
Methylisobutyl Ketone (GCMS)	MA	MA	MA	MA	< 1.40
O,P-Xylene	MA	MA	MA	MA	< 1.36
O,P-Xylene (GCMS)	MA	MA	MA	MA	< 2.00
Tetrachloroethene	MA	MA	MA	MA	< 0.750
Tetrachloroethene (GCMS)	MA	MA	MA	MA	< 1.00
Toluene	MA	MA	MA	MA	< 1.47
Toluene (GCMS)	MA	MA	MA	MA	< 1.00
Trichloroethene	MA	MA	MA	MA	< 0.560
Trichloroethene (GCMS)	MA	MA	MA	MA	< 1.00
Vinyl Chloride	MA	MA	< 0.460	< 0.460	MA
Vinyl Chloride (GCMS)	MA	MA	MA	MA	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1047 12/18/89	MA1066 12/29/89	MA1067 12/29/89	MA1164 02/01/90	MA1167 02/21/90
Analytes					
Metals/Anions/General Chem					
Arsenic	< 2.35	< 2.35	< 2.35	MA	MA
Cadmium	< 6.78	< 6.78	< 6.78	MA	MA
Calcium	< 105	127	< 105	MA	MA
Chloride	< 278	< 278	< 278	MA	MA
Chromium	< 16.8	< 16.8	< 16.8	MA	MA
Copper	< 18.8	< 18.8	< 18.8	MA	MA
Cyanide	< 5.00	< 5.00	< 5.00	MA	MA
Fluoride	< 153	< 153	< 153	MA	MA
Iron	< 77.5	MA	MA	MA	MA
Lead	< 43.4	< 43.4	< 43.4	MA	MA
Magnesium	< 135	< 135	< 135	MA	MA
Manganese	< 9.67	MA	MA	MA	MA
Mercury	< 8.100	< 0.100	< 0.100	MA	MA
Nitrite, Nitrate -- Non-Specific	490	20.7	20.5	MA	MA
Potassium	< 1240	< 1240	< 1240	MA	MA
Sodium	< 279	< 279	< 279	MA	MA
Sulfate	< 175	< 175	< 175	MA	MA
Total Organic Carbon	< 500	< 500	< 500	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

no - nitrate present in field sample

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1047 12/18/89	MA1066 12/29/89	MA1067 12/29/89	MA1164 02/01/90	MA1167 02/21/90
Analytes					
Metals/Anions/General Chem					
Total Suspended Solids	< 4000	MA	MA	MA	MA
Zinc	< 18.0	< 18.0	< 18.0	MA	MA
Phenols					
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70	MA	MA
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	MA	MA
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60	MA	MA
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40	MA	MA
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	< 4.40	MA	MA
2,4-Dinitrophenol (GCMS)	< 176	< 176	< 176	MA	MA
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	MA	MA
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60	MA	MA
2-Nitrophenol (GCMS)	< 8.20	< 8.20	< 8.20	MA	MA
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50	MA	MA
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80	MA	MA
4-Nitrophenol (GCMS)	< 96.0	< 96.0	< 96.0	MA	MA
Phenol (GCMS)	< 2.20	< 2.20	< 2.20	MA	MA
Semivolatiles					
1,4-Oxathiane	< 2.38	< 2.38	< 2.38	MA	MA
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0	MA	MA
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT)	< 0.0490	< 0.0490	< 0.0490	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater QA/QC Analytical Data

Sample ID	MA1047	MA1066	MA1067	MA1164	MA1167
Date	12/18/89	12/29/89	12/29/89	02/01/90	02/21/90
Analytes					
Semivolatiles					
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DIT) (GDMS)	< 18.0	< 18.0	< 18.0	MA	MA
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE)	< 0.0540	< 0.0540	< 0.0540	MA	MA
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GDMS)	< 14.0	< 14.0	< 14.0	MA	MA
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 5.69	MA	MA
4-Chlorophenylmethyl Sulfide (GDMS)	< 10.0	< 10.0	< 10.0	MA	MA
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	< 7.46	MA	MA
4-Chlorophenylmethyl Sulfone (GDMS)	< 5.30	< 5.30	< 5.30	MA	MA
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 11.5	MA	MA
4-Chlorophenylmethyl Sulfoxide (GDMS)	< 15.0	< 15.0	< 15.0	MA	MA
Aldrin	< 0.0500	< 0.0500	< 0.0500	MA	MA
Aldrin (GDMS)	< 13.0	< 13.0	< 13.0	MA	MA
Atrazine	< 4.03	< 4.03	< 4.03	MA	MA
Atrazine (GDMS)	< 5.90	< 5.90	< 5.90	MA	MA
Benothiazole	< 5.00	< 5.00	< 5.00	MA	MA
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	MA	MA
Bis (2-Ethylhexyl) Phthalate (GDMS)	< 7.70	< 7.70	< 7.70	MA	MA
Caprolactam (GDMS)	< 10.0	< 7.70	< 7.70	MA	MA
Chlordane	< 0.0950	< 0.0950	< 0.0950	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

MA -- Not Analyzed. Field Blank

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1047 12/18/89	MA1066 12/29/89	MA1067 12/29/89	MA1164 02/01/90	MA1167 02/21/90
Analytes					
Semivolatiles					
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	MA	MA
Dicyclopentadiene	< 5.00	< 5.00	< 5.00	MA	MA
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	MA	MA
Dieldrin	< 0.0500	< 0.0500	< 0.0500	MA	MA
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	MA	MA
Diisopropyl Methylphosphonate	< 0.392	< 0.392	< 0.392	MA	MA
Diisopropyl Methylphosphonate (GCMS)	< 21.0	< 21.0	< 21.0	MA	MA
Dimethylmethyl Phosphonate	< 0.188	< 0.188	< 0.188	MA	MA
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	MA	MA
Dithiane	< 1.34	< 1.34	< 1.34	MA	MA
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	MA	MA
Endrin	< 0.0500	< 0.0500	< 0.0500	MA	MA
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	MA	MA
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	< 0.0480	MA	MA
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	MA	MA
Isodrin	< 0.0510	< 0.0510	< 0.0510	MA	MA
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	MA	MA
Malathion	< 0.373	< 0.373	< 0.373	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater OA/OC Analytical Data

Sample ID	NA1047	NA1066	NA1067	NA1164	NA1167
Date	12/18/89	12/29/89	12/29/89	02/01/90	02/21/90
Analytes					
Semivolatiles					
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	MA	MA
Parathion	< 0.647	< 0.647	< 0.647	MA	MA
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	MA	MA
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	MA	MA
Supona	< 0.787	< 0.787	< 0.787	MA	MA
Supona (GCMS)	< 19.0	< 19.0	< 19.0	MA	MA
Vapona	< 0.384	< 0.384	< 0.384	MA	MA
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	MA	MA
Volatiles					
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	< 0.760	< 1.09
1,1,1-Trichloroethane (GCMS)	< 1.00	MA	MA	MA	MA
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	< 0.780	< 1.63
1,1,2-Trichloroethane (GCMS)	< 1.00	MA	MA	MA	MA
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730	< 1.93
1,1-Dichloroethane (GCMS)	< 1.00	MA	MA	MA	MA
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70	< 1.70	< 1.85
1,1-Dichloroethane (GCMS)	< 1.00	MA	MA	MA	MA
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	< 1.10	< 2.07
1,2-Dichloroethane (GCMS)	< 1.00	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were

rejected.

MA -- Not Analyzed.

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1047 12/18/89	MA1066 12/29/89	MA1067 12/29/89	MA1164 02/01/90	MA1167 02/21/90
Analytes					
Volatiles					
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760	< 0.760	< 1.75
1,2-Dichloroethenes (cis & trans) (GCMS)	< 5.00	MA	MA	MA	MA
Benzene	< 1.05	< 1.05	< 1.05	< 1.05	< 1.92
Benzene (GCMS)	< 1.00	MA	MA	MA	MA
Carbon Tetrachloride	< 0.990	< 0.990	< 0.990	< 0.990	< 1.69
Carbon Tetrachloride (GCMS)	< 1.00	MA	MA	MA	MA
Chlorobenzene	< 0.820	< 0.820	< 0.820	< 0.820	< 1.36
Chlorobenzene (GCMS)	< 1.00	MA	MA	MA	MA
Chloroform	1.01	< 0.500	< 0.500	< 0.500	< 1.88
Chloroform (GCMS)	< 1.00	MA	MA	MA	MA
Dibromochloropropane	< 0.195	< 0.195	< 0.195	MA	MA
Dibromochloropropane (GCMS)	< 12.0	< 12.0	< 12.0	MA	MA
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	MA	MA
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37	< 0.620
Ethyl Benzene (GCMS)	< 1.00	MA	MA	MA	MA
N-Xylene	< 1.32	< 1.32	< 1.32	< 1.32	< 1.04
N-Xylene (GCMS)	< 1.00	MA	MA	MA	MA
Methylene Chloride	< 7.40	< 7.40	< 7.40	< 7.40	< 2.48

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater OA/OC Analytical Data

Sample ID Date	MA1067 12/18/89	MA1066 12/29/89	MA1067 12/29/89	MA1164 02/01/90	MA1167 02/21/90
Analytes					
Volatiles					
Methylene Chloride (GCMS)	< 1.00	MA	MA	MA	MA
Methylisobutyl Ketone	< 4.90	< 4.90	< 4.90	MA	MA
Methylisobutyl Ketone (GCMS)	< 1.40	MA	MA	MA	MA
O,P-Xylene	< 1.36	< 1.36	< 1.36	< 1.36	< 1.36
O,P-Xylene (GCMS)	< 2.00	MA	MA	MA	MA
Tetrachloroethene	< 0.750	< 0.750	< 0.750	< 0.750	< 2.76
Tetrachloroethene (GCMS)	< 1.00	MA	MA	MA	MA
Toluene	< 1.47	< 1.47	< 1.47	< 1.47	< 2.10
Toluene (GCMS)	< 1.00	MA	MA	MA	MA
Trichloroethene	< 0.560	< 0.560	< 0.560	< 0.560	< 1.31
Trichloroethene (GCMS)	< 1.00	MA	MA	MA	MA
Vinyl Chloride	MA	MA	MA	MA	MA
Vinyl Chloride (GCMS)	< 12.0	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

g -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

MA -- Not Analyzed.

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1175 02/28/90	MA1176 02/28/90	MA1177 02/28/90
Analytes			
<hr/>			
Metals/Anions/General Chem			
Arsenic	< 2.35	< 2.35	MA
Cadmium	< 6.78	< 6.78	MA
Calcium	19000	< 105	MA
Chloride	14000	< 278	MA
Chromium	< 16.8	< 16.8	MA
Copper	< 18.8	< 18.8	MA
Cyanide	< 5.00	< 5.00	MA
Fluoride	863	< 153	MA
Iron	< 77.5	< 77.5	MA
Lead	< 43.4	< 43.4	MA
Magnesium	4300	< 135	MA
Manganese	< 9.67	< 9.67	MA
Mercury	< 0.100	< 0.100	MA
Nitrite, Nitrate -- Non-Specific	260	32.3	MA
Potassium	< 1240	< 1240	MA
Sodium	11400	337	MA
Sulfate	42000	< 175	MA
Total Organic Carbon	< 1000	< 1000	MA

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater QA/QC Analytical Data

Sample ID	NA1175	NA1175	NA1177
Date	02/28/90	02/28/90	02/28/90
Analytes			
Metals/Anions/General Chem			
Total Suspended Solids	MA	MA	MA
Zinc	117	< 18.0	MA
Phenols			
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	MA
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	MA
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	MA
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	MA
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	MA
2,4-Dinitrophenol (GCMS)	< 176	< 176	MA
2-Chlorophenol (GCMS)	< 2.80	< 2.80	MA
2-Methylphenol (GCMS)	< 3.60	< 3.60	MA
2-Nitrophenol (GCMS)	< 8.20	< 8.20	MA
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	MA
4-Methylphenol (GCMS)	< 2.80	< 2.80	MA
4-Nitrophenol (GCMS)	< 96.0	< 96.0	MA
Phenol (GCMS)	< 2.20	< 2.20	MA
Semivolatiles			
1,4-Oxathiane	< 2.38	< 2.38	MA
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	MA
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01)	< 0.0490	< 0.0490	MA

Notes: Values are reported in micrograms per liter.

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> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

na - Blank to Trip Blank on field blank.

Table B3 Groundwater QA/QC Analytical Data

Sample ID	MA1175	MA1176	MA1177
Date	02/28/90	02/28/90	02/28/90
Analytes			
Semivolatiles			
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GCMS)	< 18.0	< 18.0	MA
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 0.0540	< 0.0540	MA
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS)	< 14.0	< 14.0	MA
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	MA
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	MA
4-Chlorophenylmethyl Sulfone	< 7.46	< 7.46	MA
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	MA
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	MA
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	MA
Aldrin	< 0.0500	< 0.0500	MA
Aldrin (GCMS)	< 13.0	< 13.0	MA
Atrazine	< 4.03	< 4.03	MA
Atrazine (GCMS)	< 5.90	< 5.90	MA
Benzothiazole	< 5.00	< 5.00	MA
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	MA
Bis (2-Ethylhexyl) Phthalate (GCMS)	< 7.70	< 7.70	MA
Caprolactam (GCMS)	< 7.70	< 7.70	MA
Chlordane	< 0.0950	< 0.0950	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R - Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater OA/OC Analytical Data

Sample ID	MA1175	MA1176	MA1177
Date	02/28/90	02/28/90	02/28/90
Analytes			
Semivolatiles			
Chlordane (GCMS)	< 37.0	< 37.0	NA
Dichlorodiphenyl ether (GCMS)	< 5.00	< 5.00	NA
Dichlorodiphenyl ether (GCMS)	< 5.50	< 5.50	NA
Dieldrin	< 0.0500	< 0.0500	NA
Dieldrin (GCMS)	< 26.0	< 26.0	NA
Organophosphates			
Diisopropyl Methylphosphonate	< 0.392	< 0.392	NA
Diisopropyl Methylphosphonate (GCMS)	< 21.0	< 21.0	NA
Dimethylmethyl Phosphonate	< 0.188	< 0.188	NA
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	NA
Dithiane	< 1.34	< 1.34	NA
Organochlorines			
Dithiane (GCMS)	< 3.30	< 3.30	NA
Endrin	< 0.0500	< 0.0500	NA
Endrin (GCMS)	< 18.0	< 18.0	NA
Hexachlorocyclopentadiene	< 0.0480	< 0.0480	NA
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	NA
Organophosphates			
Isodrin	< 0.0510	< 0.0510	NA
Isodrin (GCMS)	< 7.80	< 7.80	NA
Malathion	< 0.373	< 0.373	NA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> - Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

NA -- Not Analyzed.

on - present in the sample.

Table B3 Groundwater QA/QC Analytical Data

Sample ID	MA1175	MA1176	MA1177
Date	02/28/90	02/28/90	02/28/90
Analytes			
SemiVolatiles			
Malathion (GCMS)	< 21.0	< 21.0	MA
Parathion	< 0.647	< 0.647	MA
Parathion (GCMS)	< 37.0	< 37.0	MA
Pentachlorophenol (GCMS)	< 9.10	< 9.10	MA
Supona	< 0.787	< 0.787	MA
Supona (GCMS)	< 19.0	< 19.0	MA
Vapona	< 0.384	< 0.384	MA
Vapona (GCMS)	< 8.50	< 8.50	MA
Volatiles			
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	< 1.00	< 1.00	MA
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethane (GCMS)	< 1.00	< 1.00	MA
1,1-Dichloroethane	< 0.750	< 0.750	< 0.750
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	MA
1,1-Dichloroethane	< 1.70	< 1.70	< 1.70
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	MA
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GCMS)	< 1.00	< 1.00	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater QA/QC Analytical Data

Sample ID Date	MA1175 02/28/90	MA1176 02/28/90	MA1177 02/28/90
Analytes			
Volatiles			
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	< 0.760
1,2-Dichloroethenes (cis & trans) (GCMS)	< 5.00	< 5.00	MA
Benzene	11.4	< 1.05	< 1.05
Benzene (GCMS)	6.98	< 1.00	MA
Carbon Tetrachloride	< 0.990	< 0.990	< 0.990
Carbon Tetrachloride (GCMS)	1.10	< 1.00	MA
Chlorobenzene	90.0	< 0.820	< 0.820
Chlorobenzene (GCMS)	80.8	1.25	MA
Chloroform	193	< 0.500	0.612
Chloroform (GCMS)	> 150	< 1.00	MA
Dibromochloropropane	0.813	< 0.195	MA
Dibromochloropropane (GCMS)	< 12.0	< 12.0	MA
Dimethyl Sulfide	< 0.550	< 0.550	MA
Ethyl Benzene	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GCMS)	< 1.00	< 1.00	MA
m-Xylene	< 1.32	< 1.32	< 1.32
m-Xylene (GCMS)	< 1.00	< 1.00	MA
Methylene Chloride	< 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

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> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R - Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

Table B3 Groundwater OA/OC Analytical Data

Sample ID Date	MA1175 02/28/90	MA1176 02/28/90	MA1177 02/28/90
Analytes			
Volatiles			
Methylene Chloride (GCMS)	< 1.00	< 1.00	MA
Methylisobutyl Ketone	< 4.90	< 4.90	MA
Methylisobutyl Ketone (GCMS)	< 1.40	< 1.40	MA
O,p-Xylene	< 1.36	< 1.36	< 1.36
O,p-Xylene (GCMS)	< 2.00	< 2.00	MA
Tetrachloroethene	< 0.750	< 0.750	< 0.750
Tetrachloroethene (GCMS)	< 1.00	< 1.00	MA
Toluene	2.67	< 1.47	< 1.47
Toluene (GCMS)	2.60	< 1.00	MA
Trichloroethene	2.09	< 0.560	< 0.560
Trichloroethene (GCMS)	2.40	< 1.00	MA
Vinyl Chloride	MA	MA	MA
Vinyl Chloride (GCMS)	< 12.0	< 12.0	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

RB - Rinse Blank TS - Trip Blank FB - Field Blank.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1022 10/31/89 Dup of 37330	MA1023 11/02/89 Dup of 37367	MA1024 11/27/89 Dup of Bottle	MA1026 10/31/89 Dup of 37374
Analytes				
Metals/Anions/General Chem				
Arsenic	MA	MA	MA	MA
Cadmium	MA	MA	MA	MA
Calcium	MA	MA	MA	MA
Chloride	MA	MA	MA	MA
Chromium	MA	MA	MA	MA
Copper	MA	MA	MA	MA
Cyanide	MA	MA	MA	MA
Fluoride	MA	MA	MA	MA
Iron	MA	MA	MA	MA
Lead	MA	MA	MA	MA
Magnesium	MA	MA	MA	MA
Manganese	MA	MA	MA	MA
Mercury	MA	MA	MA	MA
Nitrite, Nitrate -- Non-Specific	MA	MA	MA	MA
Potassium	MA	MA	MA	MA
Sodium	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

<.-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1022 10/31/89 Dup of 37330	MA1023 11/02/89 Dup of 37367	MA1024 11/27/89 Dup of Boller	MA1026 10/31/89 Dup of 37374
Analytes				
Metals/Anions/General Chem				
Sulfate	MA	MA	MA	MA
Total Organic Carbon	MA	MA	MA	MA
Total Suspended Solids	MA	MA	MA	MA
Zinc	MA	MA	MA	MA
Phenols				
2,3,6-Trichlorophenol (GCMS)	MA	MA	MA	MA
2,4,5-Trichlorophenol (GCMS)	MA	MA	MA	MA
2,4,6-Trichlorophenol (GCMS)	MA	MA	MA	MA
2,4-Dichlorophenol (GCMS)	MA	MA	MA	MA
2,4-Dimethylphenol (GCMS)	MA	MA	MA	MA
2,4-Dinitrophenol (GCMS)	MA	MA	MA	MA
2-Chlorophenol (GCMS)	MA	MA	MA	MA
2-Methylphenol (GCMS)	MA	MA	MA	MA
2-Nitrophenol (GCMS)	MA	MA	MA	MA
3-Methyl-4-Chlorophenol (GCMS)	MA	MA	MA	MA
4-Methylphenol (GCMS)	MA	MA	MA	MA
4-Nitrophenol (GCMS)	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- Indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

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Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1022 10/31/89 Dup of 37330	MA1023 11/02/89 D-p of 37367	MA1024 11/27/89 Dup of Boller	MA1026 10/31/89 Dup of 37374
Analytes				
Phenols	MA	MA	MA	MA
Phenol (GCMS)				
Semivolatiles	MA	MA	MA	MA
1,4-Oxathiane	MA	MA	MA	MA
1,4-Oxathiane (GCMS)	MA	MA	MA	MA
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DBT)	MA	MA	MA	MA
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DBT) (GCMS)	MA	MA	MA	MA
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DBE)	MA	MA	MA	MA
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DBE) (GCMS)	MA	MA	MA	MA
4-Chlorophenylmethyl Sulfide	MA	MA	MA	MA
4-Chlorophenylmethyl Sulfide (GCMS)	MA	MA	MA	MA
4-Chlorophenylmethyl Sulfone	MA	MA	MA	MA
4-Chlorophenylmethyl Sulfone (GCMS)	MA	MA	MA	MA
4-Chlorophenylmethyl Sulfoxide	MA	MA	MA	MA
4-Chlorophenylmethyl Sulfoxide (GCMS)	MA	MA	MA	MA
Aldrin	MA	MA	MA	MA
Aldrin (GCMS)	MA	MA	MA	MA
Atrazine	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1022 10/31/89 Dup of 37330	MA1023 11/02/89 Dup of 37367	MA1024 11/27/89 Dup of Boller	MA1026 10/31/89 Dup of 37374
Analytes				
Semivolatiles				
Atrazine (CONS)	MA	MA	MA	MA
Benothiazole	MA	MA	MA	MA
Bicyclo [2,2,1] hepta-2,5-diene	MA	MA	MA	MA
Bis (2-Ethylhexyl) Phthalate (CONS)	MA	MA	MA	MA
Caprolactam (CONS)	MA	MA	MA	MA
Chlordane	MA	MA	MA	MA
Chlordane (CONS)	MA	MA	MA	MA
Dicyclopentadiene	MA	MA	MA	MA
Dicyclopentadiene (CONS)	MA	MA	MA	MA
Dieldrin	MA	MA	MA	MA
Dieldrin (CONS)	MA	MA	MA	MA
Diisopropyl Methylphosphonate	MA	MA	MA	MA
Diisopropyl Methylphosphonate (CONS)	MA	MA	MA	MA
Dimethylmethyl Phosphonate	MA	MA	MA	MA
Dimethylmethyl Phosphonate (CONS)	MA	MA	MA	MA
Dithiane	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

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Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1022 10/31/89 Dup of 37330	MA1023 11/02/89 Dup of 37367	MA1024 11/27/89 Dup of Boller	MA1026 10/31/89 Dup of 37374
Analytes				
Semivolatiles				
Dithiane (GCMS)	MA	MA	MA	MA
Endrin	MA	MA	MA	MA
Endrin (GCMS)	MA	MA	MA	MA
Hexachlorocyclopentadiene	MA	MA	MA	MA
Hexachlorocyclopentadiene (GCMS)	MA	MA	MA	MA
Isodrin	MA	MA	MA	MA
Isodrin (GCMS)	MA	MA	MA	MA
Malathion	MA	MA	MA	MA
Malathion (GCMS)	MA	MA	MA	MA
Parathion	MA	MA	MA	MA
Parathion (GCMS)	MA	MA	MA	MA
Pentachlorophenol (GCMS)	MA	MA	MA	MA
Supone	MA	MA	MA	MA
Supone (GCMS)	MA	MA	MA	MA
Vapone	MA	MA	MA	MA
Vapone (GCMS)	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1022 10/31/89 Dup of 37350	MA1023 11/02/89 Dup of 37367	MA1024 11/27/89 Dup of 30118	MA1026 10/31/89 Dup of 37374
Analytes				
Volatiles				
1,1,1-Trichloroethane	MA	MA	MA	MA
1,1,1-Trichloroethane (GCMS)	MA	MA	MA	MA
1,1,2-Trichloroethane	MA	MA	MA	MA
1,1,2-Trichloroethane (GCMS)	MA	MA	MA	MA
1,1-Dichloroethane	MA	MA	MA	MA
1,1-Dichloroethane (GCMS)	MA	MA	MA	MA
1,1-Dichloroethane	MA	MA	MA	MA
1,1-Dichloroethane (GCMS)	MA	MA	MA	MA
1,2-Dichloroethane (cis & trans)	MA	MA	MA	MA
1,2-Dichloroethanes (cis & trans) (GCMS)	MA	MA	MA	MA
Benzene	MA	MA	MA	MA
Benzene (GCMS)	MA	MA	MA	MA
Carbon Tetrachloride	MA	MA	MA	MA
Carbon Tetrachloride (GCMS)	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field data.

Table 84 Groundwater Duplicate Analytical Data

Sample ID Date	MA1022 10/31/89 Dup of 37330	MA1023 11/02/89 Dup of 37367	MA1024 11/27/89 Dup of Boller	MA1026 10/31/89 Dup of 37374
Analytes				
Volatiles				
Chlorobenzene	MA	MA	MA	MA
Chlorobenzene (GCMS)	MA	MA	MA	MA
Chloroform	MA	MA	MA	MA
Chloroform (GCMS)	MA	MA	MA	MA
Dibromochloropropane	MA	MA	MA	MA
Dibromochloropropane (GCMS)				
Dimethyl Disulfide	MA	MA	MA	MA
Ethyl Benzene	MA	MA	MA	MA
Ethyl Benzene (GCMS)	MA	MA	MA	MA
n-Xylene	MA	MA	MA	MA
n-Xylene (GCMS)				
Methylene Chloride	MA	MA	MA	MA
Methylene Chloride (GCMS)	MA	MA	MA	MA
Methyl Isobutyl Ketone	MA	MA	MA	MA
Methyl Isobutyl Ketone (GCMS)	MA	MA	MA	MA
O,p-Xylene	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1022 10/31/89 Dup of 37330	MA1023 11/02/89 Dup of 37367	MA1024 11/27/89 Dup of Botter	MA1026 10/31/89 Dup of 37374
Analytes				
Volatiles				
O,P-Xylene (GDMS)	MA	MA	MA	MA
Tetrachloroethene	MA	MA	MA	MA
Tetrachloroethene (GDMS)	MA	MA	MA	MA
Toluene	MA	MA	MA	MA
Toluene (GDMS)	MA	MA	MA	MA
Trichloroethene	MA	MA	MA	MA
Trichloroethene (GDMS)	MA	MA	MA	MA
Vinyl Chloride	< 0.460	< 0.460	< 0.460	< 0.460
Vinyl Chloride (GDMS)	MA	MA	MA	MA

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	NA1027 11/08/89 Dup of 37396	NA1028 10/31/89 Dup of 37344	NA1029 11/09/89 Dup of 37323	NA1045 12/18/89 Dup of 37418
Analytes				
Metals/Anions/General Chem				
Arsenic	MA	MA	MA	3.80
Cadmium	MA	MA	MA	< 6.78
Calcium	MA	MA	MA	590000
Chloride	MA	MA	MA	1600000
Chromium	MA	MA	MA	< 16.8
Copper	MA	MA	MA	< 18.8
Cyanide	MA	MA	MA	< 5.00
Fluoride	MA	MA	MA	3290
Iron	MA	MA	MA	276
Lead	MA	MA	MA	< 43.4
Magnesium	MA	MA	MA	190000
Manganese	MA	MA	MA	197
Mercury	MA	MA	MA	< 0.100
Nitrite, Nitrate -- Non-Specific	MA	MA	MA	1200
Potassium	MA	MA	MA	10200
Sodium	MA	MA	MA	870000

Notes: Values are reported in micrograms per liter.
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 above the Maximum Reporting Limit.
 R -- Data did not meet quality control criteria and were
 rejected. Dup - Duplicate. MA -- Not Analyzed.
 A -- Results considered anomalous based on evaluation of
 historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1027 11/08/89 Dup of 37596	MA1028 10/31/89 Dup of 37544	MA1029 11/09/89 Dup of 37523	MA1045 12/18/89 Dup of 37418
Analytes				
Metals/Anions/General Chem				
Sulfate	MA	MA	MA	1500000
Total Organic Carbon	MA	MA	MA	10000
Total Suspended Solids	MA	MA	MA	4000
Zinc	MA	MA	MA	124
Phenols				
2,3,6-Trichlorophenol (GCMS)	MA	MA	MA	< 1.70
2,4,5-Trichlorophenol (GCMS)	MA	MA	MA	< 2.80
2,4,6-Trichlorophenol (GCMS)	MA	MA	MA	< 3.60
2,4-Dichlorophenol (GCMS)	MA	MA	MA	< 8.40
2,4-Dimethylphenol (GCMS)	MA	MA	MA	< 4.40
2,4-Dinitrophenol (GCMS)	MA	MA	MA	< 176
2-Chlorophenol (GCMS)	MA	MA	MA	< 2.80
2-Methylphenol (GCMS)	MA	MA	MA	< 3.60
2-Nitrophenol (GCMS)	MA	MA	MA	< 8.20
3-Methyl-4-Chlorophenol (GCMS)	MA	MA	MA	< 8.50
4-Methylphenol (GCMS)	MA	MA	MA	< 2.80
4-Nitrophenol (GCMS)	MA	MA	MA	< 96.0

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected. Dup -- Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

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Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1027 11/08/89 Dup of 37396	MA1028 10/31/89 Dup of 37346	MA1029 11/09/89 Dup of 37323	MA1045 12/18/89 Dup of 37418
Anal, tes				
Phenols	MA	MA	MA	< 2.20
Phenol (GCMS)				
Semivolatiles	MA	MA	MA	8.94
1,4-Oxathiane	MA	MA	MA	< 27.0
1,4-Oxathiane (GCMS)	MA	MA	MA	0.139
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT)	MA	MA	MA	< 18.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS)	MA	MA	MA	0.400
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE)	MA	MA	MA	< 14.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GCMS)	MA	MA	MA	< 5.69
4-Chlorophenylmethyl Sulfide	MA	MA	MA	< 10.0
4-Chlorophenylmethyl Sulfide (GCMS)	MA	MA	MA	< 7.46
4-Chlorophenylmethyl Sulfone	MA	MA	MA	< 5.30
4-Chlorophenylmethyl Sulfone (GCMS)	MA	MA	MA	< 11.5
4-Chlorophenylmethyl Sulfonide	MA	MA	MA	< 15.0
4-Chlorophenylmethyl Sulfonide (GCMS)	MA	MA	MA	0.300
Aldrin	MA	MA	MA	< 13.0
Aldrin (GCMS)	MA	MA	MA	< 4.03
Atrazine	MA	MA	MA	

Notes: Values are reported in micrograms per liter.

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A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1027 11/08/89 Dup of 37396	MA1028 10/31/89 Dup of 37346	MA1029 11/09/89 Dup of 37323	MA1045 12/18/89 Dup of 37418
Analytes				
Semi-volatiles				
Atrazine (GC/MS)	MA	MA	MA	< 5.90
Benothiazole	MA	MA	MA	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	MA	MA	MA	< 5.90
Bis (2-Ethylhexyl) Phthalate (GC/MS)	MA	MA	MA	< 7.70
Caprolactam (GC/MS)	MA	MA	MA	< 10.0
Chlordane	MA	MA	MA	1.40
Chlordane (GC/MS)	MA	MA	MA	< 37.0
Dicyclopentadiene	MA	MA	MA	530
Dicyclopentadiene (GC/MS)	MA	MA	MA	227
Dieldrin	MA	MA	MA	< 0.0500
Dieldrin (GC/MS)	MA	MA	MA	< 26.0
Diisopropyl Methylphosphonate	MA	MA	MA	4300
Diisopropyl Methylphosphonate (GC/MS)	MA	MA	MA	> 200
Dimethylmethyl Phosphonate	MA	MA	MA	< 0.188
Dimethylmethyl Phosphonate (GC/MS)	MA	MA	MA	< 130
Dithiane	MA	MA	MA	25.6

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Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1027 11/08/89 Dup of 37396	MA1028 10/31/89 Dup of 37344	MA1029 11/09/89 Dup of 37323	MA1045 12/18/89 Dup of 37418
Analytes				
Semivolatiles				
Dithiane (GWS)	MA	MA	MA	7.73
Endrin	MA	MA	MA	< 0.0500
Endrin (GWS)	MA	MA	MA	< 18.0
Hexachlorocyclopentadiene	MA	MA	MA	< 0.0480
Hexachlorocyclopentadiene (GWS)	MA	MA	MA	< 54.0
Isodrin	MA	MA	MA	0.120
Icodrin (GWS)	MA	MA	MA	< 7.80
Malathion	MA	MA	MA	< 0.373
Malathion (GWS)	MA	MA	MA	< 21.0
Parathion	MA	MA	MA	< 0.667
Parathion (GWS)	MA	MA	MA	< 37.0
Pentachlorophenol (GWS)	MA	MA	MA	< 9.10
Supona	MA	MA	MA	< 0.787
Supona (GWS)	MA	MA	MA	< 19.0
Vapona	MA	MA	MA	< 0.396
Vapona (GWS)	MA	MA	MA	< 8.50

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Table B4 Groundwater Duplicate Analytical Data

Sample ID	MA1027	MA1028	MA1029	MA1045
Date	11/08/89	10/31/90	11/09/89	12/18/89
Analytes	Dup of 37596	Dup of 37544	Dup of 37523	Dup of 37418
Volatiles				
1,1,1-Trichloroethane	MA	MA	MA	< 0.760
1,1,1-Trichloroethane (GCMS)	MA	MA	MA	< 1.00
1,1,2-Trichloroethane	MA	MA	MA	< 0.760
1,1,2-Trichloroethane (GCMS)	MA	MA	MA	< 1.00
1,1-Dichloroethane	MA	MA	MA	< 0.730
1,1-Dichloroethane (GCMS)	MA	MA	MA	< 1.00
1,1-Dichloroethane	MA	MA	MA	< 1.70
1,1-Dichloroethane (GCMS)	MA	MA	MA	< 1.00
1,2-Dichloroethane	MA	MA	MA	23.7
1,2-Dichloroethane (GCMS)	MA	MA	MA	19.1
1,2-Dichloroethanes (cis & trans)	MA	MA	MA	< 0.760
1,2-Dichloroethanes (cis & trans) (GCMS)	MA	MA	MA	< 5.00
Benzene	MA	MA	MA	< 1.05
Benzene (GCMS)	MA	MA	MA	< 1.00
Carbon Tetrachloride	MA	MA	MA	< 0.990
Carbon Tetrachloride (GCMS)	MA	MA	MA	< 1.00

Notes: Values are reported in micrograms per liter.

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Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1027 11/08/89 Dup of 37596	MA1028 10/31/89 Dup of 37344	MA1029 11/09/89 Dup of 37323	MA1045 12/18/89 Dup of 37418
Analytes				
Volatiles				
Chlorobenzene	MA	MA	MA	< 0.820
Chlorobenzene (GCMS)	MA	MA	MA	< 1.00
Chloroform	MA	MA	MA	< 0.500
Chloroform (GCMS)	MA	MA	MA	< 1.00
Dibromochloropropane	MA	MA	MA	< 0.195
Dibromochloropropane (GCMS)				
Dimethyl Disulfide	MA	MA	MA	< 12.0
Ethyl Benzene	MA	MA	MA	< 0.550
Ethyl Benzene (GCMS)	MA	MA	MA	< 1.37
M-Xylene	MA	MA	MA	< 1.00
				< 1.32
M-Xylene (GCMS)	MA	MA	MA	< 1.00
Methylene Chloride	MA	MA	MA	< 7.40
Methylene Chloride (GCMS)	MA	MA	MA	< 1.00
Methylisobutyl Ketone	MA	MA	MA	< 4.90
Methylisobutyl Ketone (GCMS)	MA	MA	MA	< 1.40
O,P-Xylene	MA	MA	MA	< 1.36

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Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1027 11/08/89 Dup of 37396	MA1028 10/31/89 Dup of 37344	MA1029 11/09/89 Dup of 37323	MA1045 12/18/89 Dup of 37418
Analytes				
Volatiles				
O,P-Xylene (GWS)	MA	MA	MA	< 2.00
Tetrachloroethene	MA	MA	MA	11.2
Tetrachloroethene (GWS)	MA	MA	MA	7.50
Toluene	MA	MA	MA	3.00
Toluene (GWS)	MA	MA	MA	< 1.00
Trichloroethene	MA	MA	MA	7.08
Trichloroethene (GWS)	MA	MA	MA	4.80
Vinyl Chloride	< 0.660	< 0.660	< 0.660	MA
Vinyl Chloride (GWS)	MA	MA	MA	< 12.0

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

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Table B4. Groundwater Duplicate Analytical Data

Sample ID Date	MA1079 06/22/90 Dup of 37418	MA1165 02/22/90 Dup of 37407	MA1166 02/21/90 Dup of 37404	MA1172 02/27/90 Dup of 37435
Analytes				
Metals/Anions/General Chem				
Arsenic	R	< 2.50	< 2.50	< 2.35
Cadmium	< 6.78	< 5.00	< 5.00	< 6.78
Calcium	174000	170000	240000	118000
Chloride	1800000	220000	360000	100000
Chromium	71.5	< 22.0	< 22.0	< 16.8
Copper	108	< 10.0	< 10.0	< 18.8
Cyanide	R	< 8.90	< 8.90	< 5.00
Fluoride	6300	< 1000	1250	1740
Iron	46400	37.5	794	< 77.5
Lead	< 43.4	< 52.0	< 52.0	< 43.4
Magnesium	80000	46000	58000	36100
Manganese	2650	< 20.0	1360	12.6
Mercury	< 0.100	< 0.500	< 0.500	< 0.100
Nitrite, Nitrate -- Non-Specific	410	4200	4300	1000
Potassium	12200	MA	MA	4578
Sodium	150000	220000	340000	130000

Notes: Values are reported in micrograms per liter.
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 R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.
 A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID	MA1079	MA1165	MA1166	MA1172
Date	06/22/90	02/22/90	02/21/90	02/27/90
Analytes	Dup of 37418	Dup of 37407	Dup of 37404	Dup of 37435
<hr/>				
Metals/Anions/General Chem				
Sulfate	1700000	530000	680000	300000
Total Organic Carbon	15000	6.00	7.00	3000
Total Suspended Solids	< 4000	27.0	< 4.00	MA
Zinc	117	24.4	23.3	< 18.0
<hr/>				
Phenols				
2,3,6-Trichlorophenol (GCMS)	< 1.70	< 1.70	< 1.70	< 1.70
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (GCMS)	< 8.40	< 8.40	< 8.40	< 8.40
2,4-Dimethylphenol (GCMS)	< 4.40	< 4.40	< 4.40	< 4.40
<hr/>				
2,4-Dinitrophenol (GCMS)	< 176	< 176	< 176	< 176
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Nitrophenol (GCMS)	< 8.20	< 8.20	< 8.20	< 8.20
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50
<hr/>				
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
4-Nitrophenol (GCMS)	< 96.0	< 96.0	< 96.0	< 96.0

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and state QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1079 06/22/90 Dup of 37418	MA1165 02/22/90 Dup of 37407	MA1166 02/21/90 Dup of 37404	MA1172 02/27/90 Dup of 37435
Analytes				
Phenols				
Phenol (GDMS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				
1,4-Oxathiane	6.86	MA	MA	< 2.38
1,4-Oxathiane (GDMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT)	R	< 0.0590	< 0.0590	< 0.0490
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GDMS)	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE)	< 0.0540	< 0.0460	< 0.0460	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GDMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	MA	MA	< 5.69
4-Chlorophenylmethyl Sulfide (GDMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	MA	MA	< 7.46
4-Chlorophenylmethyl Sulfone (GDMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	MA	MA	< 11.5
4-Chlorophenylmethyl Sulfoxide (GDMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	< 0.0500	R	R	< 0.0500
Aldrin (GDMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	MA	MA	< 4.03

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID	MA1079	MA1165	MA1166	MA1172
Date	06/22/90	02/22/90	02/21/90	02/27/90
Analytes	Dup of 37418	Dup of 37407	Dup of 37406	Dup of 37435
Semivolatiles				
Atrazine (GDMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benothiazole	< 5.00	MA	MA	< 5.00
Bicyclo (2,2,1) hepta-2,5-diene	< 5.90	MA	MA	< 5.90
Bis (2-Ethylhexyl) Phthalate (GDMS)	< 7.70	< 7.70	< 7.70	< 7.70
Caprolactam (GDMS)	< 10.0	< 7.70	< 7.70	< 7.70
Chlordane	< 0.0950	< 0.152	< 0.152	< 0.0950
Chlordane (GDMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dichlorodipentadiene	300	MA	MA	< 5.00
Dichlorodipentadiene (GDMS)	202	< 5.50	< 5.50	< 5.50
Dieldrin	< 0.0500	< 0.0539	< 0.0539	< 0.0500
Dieldrin (GDMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	3900	MA	MA	10.0
Diisopropyl Methylphosphonate (GDMS)	> 200	< 21.0	76.4	< 21.0
Dimethylamethyl Phosphonate	< 0.108	MA	MA	< 0.108
Dimethylamethyl Phosphonate (GDMS)	< 130	< 130	< 130	< 130
Dithiane	30.0	MA	MA	< 1.34

Notes: Values are reported in micrograms per liter.

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A -- Results considered anomalous based on evaluation of

historical data and standard deviation.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1079 06/22/90 Dup of 37418	MA1165 02/22/90 Dup of 37407	MA1166 02/21/90 Dup of 37404	MA1172 02/27/90 Dup of 37435
Analytes				
Semivolatiles				
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	< 0.0500	< 0.0600	< 0.0600	< 0.0500
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0400	R	R	< 0.0400
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	0.103	< 0.0560	< 0.0560	< 0.0510
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	1.63	MA	MA	< 0.373
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	1.07	MA	MA	< 0.647
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supone	< 0.787	MA	MA	< 0.787
Supone (GCMS)	< 19.0	< 19.0	< 19.0	< 19.0
Vapone	< 0.384	MA	MA	< 0.384
Vapone (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 R -- Data did not meet quality control criteria and were
 rejected. Dup - Duplicate. MA -- Not Analyzed.
 A -- Results considered anomalous based on evaluation of
 historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1079 06/22/90 Dup of 37416	MA1165 02/22/90 Dup of 37407	MA1166 02/21/90 Dup of 37404	MA1172 02/21/90 Dup of 37435
Analytes				
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 1.09	< 1.09	< 0.760
1,1,1-Trichloroethane (GCMS)	< 1.00	< 1.00	< 10.0	< 1.00
1,1,2-Trichloroethane	< 0.780	< 1.63	< 1.63	< 0.780
1,1,2-Trichloroethane (GCMS)	< 1.00	< 1.00	< 10.0	< 1.00
1,1-Dichloroethane	< 0.730	< 1.93	< 1.93	< 0.730
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	< 10.0	< 1.00
1,1-Dichloroethane	< 1.70	< 1.85	< 1.85	< 1.70
1,1-Dichloroethane (GCMS)	< 1.00	< 1.00	< 10.0	< 1.00
1,2-Dichloroethane	22.1	< 2.07	< 2.07	< 1.10
1,2-Dichloroethane (GCMS)	< 1.00	< 1.00	< 10.0	< 1.00
1,2-Dichloroethenes (cis & trans)	< 0.760	< 1.75	< 1.75	< 0.760
1,2-Dichloroethenes (cis & trans) (GCMS)	< 5.00	< 5.00	< 50.0	< 5.00
Benzene	3.90	4.62	30.0	19.2
Benzene (GCMS)	< 1.00	2.56	12.4	7.67
Carbon Tetrachloride	< 0.990	< 1.69	3.44	1.32
Carbon Tetrachloride (GCMS)	< 1.00	< 1.00	< 10.0	1.01

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	HA1079 06/22/90 Dup of 37418	HA1165 02/22/90 Dup of 37407	HA1166 02/21/90 Dup of 37404	HA1172 02/27/90 Dup of 37435
Analytes				
Volatiles				
Chlorobenzene	29.7	38.5	150	71.6
Chlorobenzene (GCMS)	2.58	31.7	91.3	64.4
Chloroform	45.1	49.6	540	330
Chloroform (GCMS)	5.30	40.0	510	> 150
Dibromochloropropane	0.391	MA	MA	1.37
Dibromochloropropane (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	MA	MA	< 0.550
Ethyl Benzene	< 1.37	< 0.620	< 0.620	< 1.37
Ethyl Benzene (GCMS)	< 1.00	< 1.00	< 10.0	< 1.00
n-Xylene	< 1.32	< 1.04	< 1.04	< 1.32
n-Xylene (GCMS)	< 1.00	< 1.00	< 10.0	< 1.00
Methylene Chloride	< 7.40	< 2.48	< 2.48	< 7.40
Methylene Chloride (GCMS)	< 1.00	< 1.00	< 10.0	< 1.00
Methylisobutyl Ketone	< 4.90	MA	MA	< 4.90
Methylisobutyl Ketone (GCMS)	< 1.40	< 1.40	< 14.0	< 1.40
o,p-Xylene	< 1.36	< 1.34	< 1.34	< 1.36

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

Sample ID	MA1079	MA1165	MA1166	MA1172
Date	06/22/90	02/22/90	02/21/90	02/27/90
Analytes	Dup of 37418	Dup of 37407	Dup of 37404	Dup of 37435
<hr/>				
Volatiles				
O,P-Xylene (GCMS)	< 2.00	< 2.00	< 20.0	< 2.00
Tetrachloroethene	8.98	< 2.76	< 2.76	< 0.750
Tetrachloroethene (GCMS)	< 1.00	< 1.00	< 10.0	< 1.00
Toluene	< 1.47	< 2.10	4.35 A	3.23
Toluene (GCMS)	< 1.00	< 1.00	< 10.0	2.10
Trichloroethene	6.18	< 1.31	6.65 A	2.43 A
Trichloroethene (GCMS)	< 1.00	< 1.00	< 10.0	2.10
Vinyl Chloride	MA	MA	MA	MA
Vinyl Chloride (GCMS)	< 12.0	< 12.0	< 120	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

Table B4 Groundwater Duplicate Analytical Data

| Sample ID
Date | MA1173
02/28/90
Dup of
37438 | MA1174
03/01/90
Dup of
37439 | MA1198
06/13/90
Dup of
37444 |
|----------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Analytes | | | |
| Metals/Anions/General Chem | | | |
| Arsenic | < 2.35 | < 2.35 | < 2.35 |
| Cadmium | < 6.78 | < 6.78 | < 6.78 |
| Calcium | 65600 | 99300 | 99700 |
| Chloride | 280000 | 200000 | 140000 |
| Chromium | < 16.8 | < 16.8 | < 16.8 |
| Copper | 20.7 | < 18.8 | < 18.8 |
| Cyanide | < 5.00 | < 5.00 | R |
| Fluoride | 4080 | 2350 | 1320 |
| Iron | < 77.5 | < 77.5 | MA |
| Lead | < 43.4 | < 43.4 | < 43.4 |
| Magnesium | 21000 | 27100 | 21900 |
| Manganese | < 9.67 | 21.0 | MA |
| Mercury | < 0.100 | < 0.100 | 1.49 |
| Nitrite, Nitrate -- Non-Specific | 5000 | 1800 | 4200 |
| Potassium | 2190 | 3680 | 2600 |
| Sodium | 260000 | 160000 | 100000 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4. Groundwater Duplicate Analytical Data

| Sample ID | MA1173 | MA1174 | MA1198 |
|--------------------------------|----------|----------|----------|
| Date | 02/28/90 | 03/01/90 | 06/13/90 |
| Analytes | Dup of | Dup of | Dup of |
| | 37438 | 37439 | 37444 |
| <hr/> | | | |
| Metals/Anions/General Chem | | | |
| Sulfate | 170000 | 170000 | 130000 |
| Total Organic Carbon | 2000 | 2000 | 1000 |
| Total Suspended Solids | MA | MA | MA |
| Zinc | < 18.0 | < 18.0 | < 18.0 |
| <hr/> | | | |
| Phenols | | | |
| 2,3,6-Trichlorophenol (GCMS) | < 1.70 | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GCMS) | < 2.80 | < 2.80 | < 2.80 |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | < 8.40 | < 8.40 | < 8.40 |
| 2,4-Dimethylphenyl (GCMS) | < 4.40 | < 4.40 | < 4.40 |
| <hr/> | | | |
| 2,4-Dinitrophenol (GCMS) | < 176 | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | < 2.80 | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | < 3.60 | < 3.60 | < 3.60 |
| 2-Nitrophenol (GCMS) | < 8.20 | < 8.20 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 | < 8.50 | < 8.50 |
| <hr/> | | | |
| 4-Methylphenol (GCMS) | < 2.80 | < 2.80 | < 2.80 |
| 4-Nitrophenol (GCMS) | < 96.0 | < 96.0 | < 96.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

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Table B4 Groundwater Duplicate Analytical Data

| Sample ID
Date | HA1173
02/28/90
Dup of
37438 | HA1174
03/01/90
Dup of
37439 | HA1198
06/13/90
Dup of
37444 |
|--------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Analytes | | | |
| Phenols | | | |
| Phenol (GCMS) | < 2.20 | < 2.20 | < 2.20 |
| Semivolatiles | | | |
| 1,4-Oxathiane | < 2.38 | < 2.38 | < 2.38 |
| 1,4-Oxathiane (GCMS) | < 27.0 | < 27.0 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.0490 | < 0.0490 | < 0.0490 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | < 18.0 | < 18.0 | < 18.0 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) | < 0.0540 | < 0.0540 | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GCMS) | < 14.0 | < 14.0 | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 5.69 | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | < 10.0 | < 10.0 |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 7.46 | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | < 5.30 | < 5.30 |
| 4-Chlorophenylmethyl Sulfonide | < 11.5 | < 11.5 | < 11.5 |
| 4-Chlorophenylmethyl Sulfonide (GCMS) | < 15.0 | < 15.0 | < 15.0 |
| Aldrin | < 0.0500 | < 0.0500 | < 0.0500 |
| Aldrin (GCMS) | < 13.0 | < 13.0 | < 13.0 |
| Atrazine | < 4.03 | < 4.03 | < 4.03 |

K-tes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

| Sample ID
Date | MA1173
02/28/90
Dup of
37438 | MA1174
03/01/90
Dup of
37439 | MA1198
06/13/90
Dup of
37444 |
|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Analytes | | | |
| Semi-volatiles | | | |
| Atrazine (GDMS) | < 5.90 | < 5.90 | < 5.90 |
| Benzothiazole | < 5.00 | < 5.00 | < 5.00 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GDMS) | < 7.70 | < 7.70 | < 7.70 |
| Caprolactam (GDMS) | < 7.70 | < 7.70 | < 10.0 |
| Chlordane | < 0.0950 | < 0.0950 | < 0.0950 |
| Chlordane (GDMS) | < 37.0 | < 37.0 | < 37.0 |
| Dicyclopentadiene | < 5.00 | < 5.00 | < 5.00 |
| Dicyclopentadiene (GDMS) | < 5.50 | < 5.50 | < 5.50 |
| Dieldrin | 0.110 | < 0.0500 | < 0.0500 |
| Dieldrin (GDMS) | < 26.0 | < 26.0 | < 26.0 |
| Diisopropyl Methylphosphonate | 3.76 | 2.56 | 5.54 |
| Diisopropyl Methylphosphonate (GDMS) | < 21.0 | < 21.0 | < 21.0 |
| Dimethylmethyl Phosphonate | < 0.100 | < 0.100 | < 0.100 |
| Dimethylmethyl Phosphonate (GDMS) | < 130 | < 130 | < 130 |
| Dithiane | < 1.34 | < 1.34 | < 1.34 |

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

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Table 84 Groundwater Duplicate Analytical Data

| Sample ID
Date | MA1173
02/28/90
Dup of
37438 | MA1174
03/01/90
Dup of
37439 | MA1198
06/13/90
Dup of
37444 |
|----------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Analytes | | | |
| Semivolatiles | | | |
| Dithiane (GCMS) | < 3.30 | < 3.30 | < 3.30 |
| Endrin | < 0.0500 | < 0.0500 | < 0.0500 |
| Endrin (GCMS) | < 18.0 | < 18.0 | < 18.0 |
| Hexachlorocyclopentadiene | < 0.0480 | < 0.0480 | < 0.0480 |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 | < 54.0 | < 54.0 |
| Isodrin | < 0.0510 | < 0.0510 | < 0.0510 |
| Isodrin (GCMS) | < 7.80 | < 7.80 | < 7.80 |
| Malathion | < 0.373 | < 0.373 | < 0.373 |
| Malathion (GCMS) | < 21.0 | < 21.0 | < 21.0 |
| Parathion | < 0.647 | < 0.647 | < 0.647 |
| Parathion (GCMS) | < 37.0 | < 37.0 | < 37.0 |
| Pentachlorophenol (GCMS) | < 9.10 | < 9.10 | < 9.10 |
| Supona | < 0.787 | < 0.787 | < 0.787 |
| Supona (GCMS) | < 19.9 | < 19.0 | < 19.0 |
| Vapona | < 0.384 | < 0.384 | < 0.384 |
| Vapona (GCMS) | < 8.50 | < 8.50 | < 8.50 |

Notes: Values are reported in picograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4. Groundwater Duplicate Analytical Data

| Sample ID | MA1173 | MA1174 | MA1198 |
|------------------------------------------|----------|----------|----------|
| Date | 02/28/90 | 03/01/90 | 06/13/90 |
| Analytes | Dup of | Dup of | Dup of |
| | 37438 | 37439 | 37444 |
| Volatiles | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethane | < 0.730 | < 0.730 | < 0.730 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethane | < 1.70 | < 1.70 | < 1.70 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethane | < 1.10 | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 | < 0.760 |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 5.00 | < 5.00 | < 5.00 |
| Benzene | 21.9 | 2.07 A | < 1.05 |
| Benzene (GCMS) | 13.2 | 2.25 | < 1.00 |
| Carbon Tetrachloride | 2.13 A | < 0.990 | < 0.990 |
| Carbon Tetrachloride (GCMS) | 2.02 | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

Table B4 Groundwater Duplicate Analytical Data

| Sample ID
Date | MA1173
02/28/90
Dup of
37438 | MA1174
03/01/90
Dup of
37439 | MA1198
06/13/90
Dup of
37444 |
|------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Analytes | | | |
| Volatiles | | | |
| Chlorobenzene | 110 A | 18.2 A | < 0.820 |
| Chlorobenzene (GCMS) | 115 | 40.4 A | < 1.00 |
| Chloroform | 440 A | 34.4 A | 3.23 |
| Chloroform (GCMS) | > 150 | 94.0 A | 3.10 |
| Dibromochloropropane | 1.10 A | 0.463 A | < 0.195 |
| Dibromochloropropane (GCMS) | < 12.0 | < 12.8 | < 12.0 |
| Dimethyl Disulfide | < 0.550 | < 0.550 | < 0.550 |
| Ethyl Benzene | < 1.37 | < 1.37 | < 1.37 |
| Ethyl Benzene (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| n-ylene | < 1.32 | < 1.32 | < 1.32 |
| n-ylene (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| Methylene Chloride | < 7.40 | < 7.40 | < 7.40 |
| Methylene Chloride (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| Methylisobutyl Ketone | < 4.90 | < 4.98 | < 4.90 |
| Methylisobutyl Ketone (GCMS) | < 1.40 | < 1.40 | < 1.40 |
| O,p-Xylene | < 1.36 | < 1.36 | < 1.36 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B4 Groundwater Duplicate Analytical Data

| Sample ID
Date | MA1173
02/28/90
Dup of
37435 | MA1174
03/01/90
Dup of
37439 | MA1198
06/13/90
Dup of
37444 |
|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Analytes | | | |
| Volatiles | | | |
| O,P-Xylene (GCMS) | < 2.00 | < 2.00 | < 2.00 |
| Tetrachloroethene | < 0.750 | < 0.750 | < 0.750 |
| Tetrachloroethene (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| Toluene | 3.77 A | < 1.47 | < 1.47 |
| Toluene (GCMS) | 3.90 | 1.20 A | < 1.00 |
| Trichloroethene | 3.47 A | < 0.560 | < 0.560 |
| Trichloroethene (GCMS) | MA | 1.20 A | < 1.00 |
| Vinyl Chloride | MA | MA | MA |
| Vinyl Chloride (GCMS) | < 12.0 | < 12.0 | < 12.0 |

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
 < -- Indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 > -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.
 A -- Results considered anomalous based on evaluation of

Table B5 Investigative Analytical Data
for Bore C Well Samples

| Sample ID | Date | 09200TU090 | 09200TU090 | 10021TUPE0 | 10100TU108 |
|-----------------------------------|---------|------------|------------|------------|------------|
| | | 01/17/89 | 09/08/89 | 02/27/90 | 05/30/90 |
| Analytes | | | | | |
| Metals/Anions/General Chem | | | | | |
| Arsenic | < 2.35 | MA | | < 2.35 | MA |
| Cadmium | < 8.40 | MA | | < 6.78 | MA |
| Calcium | 2170 | MA | | 1600 | MA |
| Chloride | 5130 | MA | | 3000 | MA |
| Chromium | < 24.0 | MA | | < 16.8 | MA |
| Copper | < 26.0 | MA | | < 18.8 | MA |
| Cyanide | < 5.00 | MA | | < 5.00 | MA |
| Fluoride | 2330 | MA | | 3090 | MA |
| Iron | MA | MA | | < 77.5 | MA |
| Lead | < 74.0 | MA | | < 43.4 | MA |
| Magnesium | < 500 | MA | | 149 | MA |
| Manganese | MA | MA | | < 9.67 | MA |
| Mercury | < 0.100 | MA | | < 0.100 | MA |
| Nitrite, Nitrate -- Non-Specific | 290 | MA | | 2000000 | MA |
| Potassium | < 250 | MA | | < 1240 | MA |
| Sodium | 78000 | MA | | 96000 | MA |
| Sulfate | 13300 | MA | | 10300 | MA |
| Total Organic Carbon | MA | MA | | < 1000 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 09200TU090
01/17/89 | 09200TU090
09/08/89 | 10021TU090
02/27/90 | 10100TU108
05/30/90 |
|------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Metals/Airiana/General Chem | | | | |
| Zinc | < 22.0 | MA | < 18.0 | MA |
| Phenols | | | | |
| 2,3,6-Trichlorophenol (GCMS) | < 1.70 | < 1.70 | < 1.70 | MA |
| 2,4,5-Trichlorophenol (GCMS) | MA | < 2.80 | < 2.80 | MA |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 | < 3.60 | < 3.60 | MA |
| 2,4-Dichlorophenol (GCMS) | < 8.40 | < 8.40 | < 8.40 | MA |
| 2,4-Dimethylphenol (GCMS) | < 4.40 | < 4.40 | < 4.40 | MA |
| 2,4-Dinitrophenol (GCMS) | < 176 | < 176 | < 176 | MA |
| 2-Chlorophenol (GCMS) | < 2.80 | < 2.80 | < 2.80 | MA |
| 2-Methylphenol (GCMS) | < 3.60 | < 0.600 | < 3.60 | MA |
| 2-Nitrophenol (GCMS) | < 8.20 | < 3.00 | < 8.20 | MA |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 | < 0.300 | < 8.50 | MA |
| 4-Methylphenol (GCMS) | < 2.80 | < 0.600 | < 2.80 | MA |
| 4-Nitrophenol (GCMS) | < 96.0 | < 0.400 | < 96.0 | MA |
| Phenol (GCMS) | < 2.20 | < 0.320 | < 2.20 | MA |
| Semivolatiles | | | | |
| 1,4-Quathiane | < 2.38 | < 1.97 | < 2.38 | MA |
| 1,4-Quathiane (GCMS) | < 27.0 | < 0.160 | < 27.0 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Trichloroethane (DOT) | < 0.0490 | MA | < 0.0490 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Trichloroethane (DOT) (GCMS) | < 18.0 | < 1.20 | < 18.0 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 092001U090
01/17/89 | 092001U090
09/08/89 | 100211UPE0
02/27/90 | 101001U108
05/30/90 |
|-----------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | < 0.0540 | MA | < 0.0540 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GDMS) | < 14.0 | < 3.39 | < 14.0 | MA |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 10.5 | < 5.69 | MA |
| 4-Chlorophenylmethyl Sulfide (GDMS) | < 10.0 | < 1.30 | < 10.0 | MA |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 4.70 | < 7.46 | MA |
| 4-Chlorophenylmethyl Sulfone (GDMS) | < 5.30 | < 0.750 | < 5.30 | MA |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 | < 15.2 | < 11.5 | MA |
| 4-Chlorophenylmethyl Sulfoxide (GDMS) | < 15.0 | < 0.500 | < 15.0 | MA |
| Aldrin | < 0.0500 | MA | < 0.0500 | MA |
| Aldrin (GDMS) | < 13.0 | < 0.800 | < 13.0 | MA |
| Atrazine | < 4.03 | < 4.03 | < 4.03 | MA |
| Atrazine (GDMS) | < 5.90 | < 0.500 | < 5.90 | MA |
| Benothiazole | < 5.00 | < 0.00234 | < 5.00 | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 | < 5.90 | < 5.90 | MA |
| Bis (2-Ethylhexyl) Phthalate (GDMS) | MA | MA | < 7.70 | MA |
| Caprolactam (GDMS) | MA | MA | < 7.70 | MA |
| Chlordane | < 0.0950 | MA | < 0.0950 | MA |
| Chlordane (GDMS) | < 37.0 | < 0.260 | < 37.0 | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 09200TU090 | 09200TU090 | 10021TU0E0 | 10100TU108 |
|--------------------------------------|------------|------------|------------|------------|
| Date | 01/17/89 | 09/08/89 | 02/21/90 | 05/30/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Bicyclopentadiene | < 5.00 | < 5.00 | < 5.00 | MA |
| Dicyclopentadiene (GCMS) | < 5.50 | < 0.560 | < 5.50 | MA |
| Dieldrin | < 0.0500 | MA | < 0.0500 | MA |
| Dieldrin (GCMS) | < 26.0 | < 0.930 | < 26.0 | MA |
| Diisopropyl Methylphosphonate | 1.32 | 1.38 | < 0.392 | < 0.392 |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 | < 1.60 | < 21.0 | MA |
| Dimethylmethyl Phosphonate | < 0.188 | < 4.23 | < 0.188 | < 0.188 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 | < 0.700 | < 130 | MA |
| Dithien | < 1.34 | < 0.114 | < 1.34 | MA |
| Dithiane (GCMS) | < 3.30 | < 0.710 | < 3.30 | MA |
| Endrin | < 0.0500 | MA | < 0.0500 | MA |
| Endrin (GCMS) | < 18.0 | < 0.100 | < 18.0 | MA |
| Hexachlorocyclopentadiene | < 0.0480 | < 0.0480 | < 0.0480 | MA |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 | < 0.520 | < 54.0 | MA |
| Isodrin | < 0.0510 | MA | < 0.0510 | MA |
| Isodrin (GCMS) | < 7.80 | < 0.990 | < 7.80 | MA |
| Malathion | < 0.373 | < 0.373 | < 0.373 | MA |
| Malathion (GCMS) | < 21.0 | < 0.620 | < 21.0 | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 09200TW090
01/17/89 | 09200TW090
09/08/89 | 10021TW090
02/27/90 | 10100TW108
05/30/90 |
|-----------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| Parathion | < 0.647 | < 0.647 | < 0.647 | MA |
| Parathion (GCMS) | < 37.0 | < 8.10 | < 37.0 | MA |
| Pentachlorophenol (GCMS) | < 9.10 | < 0.290 | < 9.10 | MA |
| Supona | < 0.787 | < 0.787 | < 0.787 | MA |
| Supona (GCMS) | < 19.0 | < 3.90 | < 19.0 | MA |
| Vapona | < 0.384 | < 0.384 | < 0.384 | MA |
| Vapona (GCMS) | < 8.50 | < 0.670 | < 8.50 | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.760 | MA | < 0.760 | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | < 1.00 | MA |
| 1,1,2-Trichloroethane | < 0.780 | MA | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | MA | MA | < 1.00 | MA |
| 1,1-Dichloroethane | < 0.730 | MA | < 0.730 | < 0.730 |
| 1,1-Dichloroethane (GCMS) | MA | MA | < 1.00 | MA |
| 1,1-Dichloroethane | < 1.70 | MA | < 1.70 | < 1.70 |
| 1,1-Dichloroethane (GCMS) | MA | MA | < 1.00 | MA |
| 1,2-Dichloroethane | < 1.10 | MA | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GCMS) | MA | MA | < 1.00 | MA |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | MA | < 0.760 | < 0.760 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- Indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were
rejected.

Table 85 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 092001U0590 | 092001U0590 | 100211U050 | 101001U106 |
|------------------------------------------|-------------|-------------|------------|------------|
| Date | 01/17/89 | 09/06/89 | 02/27/90 | 05/30/90 |
| Analytes | | | | |
| Volatiles | MA | MA | < 5.00 | MA |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 1.05 | MA | < 1.05 | MA |
| Benzene | MA | MA | < 1.00 | MA |
| S Benzene (GCMS) | < 0.990 | MA | < 0.990 | < 0.990 |
| Carbon Tetrachloride | MA | MA | < 1.00 | MA |
| Carbon Tetrachloride (GCMS) | < 0.820 | MA | < 0.820 | < 0.820 |
| Chlorobenzene | MA | MA | < 1.00 | MA |
| Chlorobenzene (GCMS) | < 0.500 | MA | < 0.500 | < 0.500 |
| Chloroform | MA | MA | < 1.00 | MA |
| Chloroform (GCMS) | < 0.195 | < 0.195 | < 0.195 | MA |
| Dibromochloropropene | < 12.0 | < 0.250 | < 12.0 | MA |
| Dibromochloropropene (GCMS) | < 0.550 | < 0.133 | < 0.550 | MA |
| Dimethyl Disulfide | < 1.37 | MA | < 1.37 | MA |
| Ethyl Benzene | MA | MA | < 1.00 | MA |
| Ethyl Benzene (GCMS) | < 1.32 | MA | < 1.32 | MA |
| m-Xylene | MA | MA | < 1.00 | MA |
| m-Xylene (GCMS) | < 7.40 | MA | < 7.40 | < 7.40 |
| Methylene Chloride | MA | MA | < 1.00 | MA |
| Methylene Chloride (GCMS) | | | | |

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
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 or above the Certified Reporting Limit.
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 above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

nd.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 09200TU090
01/17/89 | 09200TU090
09/08/89 | 10021TUPE0
02/27/90 | 10100TU108
05/30/90 |
|------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Volatiles | < 4.90 | < 4.90 | < 4.90 | MA |
| Methylisobutyl Ketone | MA | MA | < 1.40 | MA |
| Methylisobutyl Ketone (GCMS) | < 1.36 | MA | < 1.36 | MA |
| O,P-Xylene | MA | MA | < 2.00 | MA |
| O,P-Xylene (GCMS) | < 0.750 | MA | < 0.750 | < 0.750 |
| Tetrachloroethene | | | | |
| Tetrachloroethene (GCMS) | MA | MA | < 1.00 | MA |
| Toluene | < 1.47 | MA | < 1.47 | MA |
| Toluene (GCMS) | MA | MA | < 1.00 | MA |
| Trichloroethene | < 0.560 | MA | < 0.560 | < 0.560 |
| Trichloroethene (GCMS) | MA | MA | < 1.00 | MA |
| Vinyl Chloride (GCMS) | MA | MA | < 12.0 | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

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rejected.

Table 85 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 10150TUMV2
05/30/90 | 10720TUBR1
09/08/89 | 10720TUBR1
12/28/89 | 10791TUBR1
05/09/90 |
|----------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | MA | MA | < 2.35 | MA |
| Cadmium | MA | MA | < 6.78 | MA |
| Calcium | MA | MA | 143000 | MA |
| Chloride | MA | MA | 150000 | MA |
| Chromium | MA | MA | < 16.8 | MA |
| Copper | MA | MA | < 18.8 | MA |
| Cyanide | MA | MA | < 5.00 | MA |
| Fluoride | MA | MA | 1830 | MA |
| Iron | MA | MA | MA | MA |
| Lead | MA | MA | < 43.4 | MA |
| Magnesium | MA | MA | 34100 | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | MA | MA | < 0.100 | MA |
| Nitrite, Nitrate -- Non-Specific | MA | MA | 7800 | MA |
| Potassium | MA | MA | 4180 | MA |
| Sodium | MA | MA | 160000 | MA |
| Sulfate | MA | MA | 300000 | MA |
| Total Organic Carbon | MA | MA | 1400 | MA |

Notes: Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were

nd.

Table 85 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 10150TMY2
05/30/90 | 10720TUBRI
09/08/89 | 10720TUBRI
12/28/89 | 10791TUBRI
05/09/90 |
|--------------------------------------------------------------|-----------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Zinc | MA | MA | 54.8 | MA |
| Phenols | | | | |
| 2,3,6-Trichlorophenol (GCMS) | MA | < 1.70 | < 1.70 | MA |
| 2,4,5-Trichlorophenol (GCMS) | MA | < 2.80 | < 2.80 | MA |
| 2,4,6-Trichlorophenol (GCMS) | MA | < 3.60 | < 3.60 | MA |
| 2,4-Dichlorophenol (GCMS) | MA | < 8.40 | < 8.40 | MA |
| 2,4-Dimethylphenol (GCMS) | MA | < 4.40 | < 4.40 | MA |
| 2,4-Dinitrophenol (GCMS) | MA | < 176 | < 176 | MA |
| 2-Chlorophenol (GCMS) | MA | < 2.80 | < 2.80 | MA |
| 2-Methylphenol (GCMS) | MA | < 0.600 | < 3.60 | MA |
| 2-Nitrophenol (GCMS) | MA | < 3.00 | < 8.20 | MA |
| 3-Methyl-4-Chlorophenol (GCMS) | MA | < 0.300 | < 8.50 | MA |
| 4-Methylphenol (GCMS) | MA | < 0.600 | < 2.80 | MA |
| 4-Nitrophenol (GCMS) | MA | < 0.400 | < 96.0 | MA |
| Phenol (GCMS) | MA | < 0.320 | < 2.20 | MA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | MA | < 1.97 | < 2.38 | MA |
| 1,4-Oxathiane (GCMS) | MA | < 0.160 | < 27.0 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | MA | MA | < 0.0490 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | MA | < 1.20 | < 18.0 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 10150TUMY2
05/30/90 | 10720TUMR1
09/08/89 | 10720TUMR1
12/28/89 | 10791TUMR1
05/09/90 |
|-----------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | MA | MA | < 0.0540 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GDMS) | MA | < 3.39 | < 14.0 | MA |
| 4-Chlorophenylmethyl Sulfide | MA | < 10.5 | < 5.69 | MA |
| 4-Chlorophenylmethyl Sulfide (GDMS) | MA | < 1.30 | < 10.0 | MA |
| 4-Chlorophenylmethyl Sulfone | MA | < 4.70 | < 7.46 | MA |
| 4-Chlorophenylmethyl Sulfone (GDMS) | MA | < 0.750 | < 5.30 | MA |
| 4-Chlorophenylmethyl Sulfoxide | MA | < 15.2 | < 11.5 | MA |
| 4-Chlorophenylmethyl Sulfoxide (GDMS) | MA | < 0.500 | < 15.0 | MA |
| Aldrin | MA | MA | < 0.0500 | MA |
| Aldrin (GDMS) | MA | < 0.800 | < 13.0 | MA |
| Atrazine | MA | < 4.03 | < 4.03 | MA |
| Atrazine (GDMS) | MA | < 0.500 | < 5.90 | MA |
| Benothiazole | MA | < 0.00234 | < 5.00 | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | < 5.90 | < 5.90 | MA |
| Bis (2-Ethylhexyl) Phthalate (GDMS) | MA | MA | < 7.70 | MA |
| Caprolactam (GDMS) | MA | MA | < 7.70 | MA |
| Chlordane | MA | MA | < 0.0950 | MA |
| Chlordane (GDMS) | MA | < 0.260 | < 37.0 | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

ed

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 101501UWY2
05/30/90 | 107201UWRR1
09/08/89 | 107201UWRR1
12/28/89 | 107911UWRR1
05/09/90 |
|--------------------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| Analytes | | | | |
| Sesivolatiles | | | | |
| Dicyclopentadiene | MA | < 5.00 | < 5.00 | MA |
| Dicyclopentadiene (GCMS) | MA | < 0.560 | < 5.50 | MA |
| Dieldrin | MA | MA | < 0.0500 | MA |
| Dieldrin (GCMS) | MA | < 0.930 | < 26.0 | MA |
| Diisopropyl Methylphosphonate | 5.11 | 81.0 | 80.0 | 13.4 |
| Diisopropyl Methylphosphonate (GCMS) | MA | 77.3 | 56.6 | MA |
| Dimethylmethyl Phosphonate | < 0.188 | < 4.23 | < 0.188 | < 0.188 |
| Dimethylmethyl Phosphonate (GCMS) | MA | < 0.700 | < 130 | MA |
| Dithiane | MA | < 0.114 | < 1.34 | MA |
| Dithiane (GCMS) | MA | < 0.710 | < 3.30 | MA |
| Endrin | MA | MA | < 0.0500 | MA |
| Endrin (GCMS) | MA | < 0.100 | < 18.0 | MA |
| Hexachlorocyclopentadiene | MA | < 0.0480 | < 0.0480 | MA |
| Hexachlorocyclopentadiene (GCMS) | MA | < 0.520 | < 54.0 | MA |
| Isodrin | MA | MA | < 0.0510 | MA |
| Isodrin (GCMS) | MA | < 0.990 | < 7.80 | MA |
| Malathion | MA | < 0.373 | < 0.373 | MA |
| Malathion (GCMS) | MA | < 0.620 | < 21.0 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 101501JMY2 | 107201UBR1 | 107201UBR1 | 107911UBR1 |
|-----------------------------------|------------|------------|------------|------------|
| Date | 05/30/90 | 09/08/89 | 12/28/89 | 05/09/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Parathion | MA | < 0.647 | < 0.647 | MA |
| Perathion (GCMS) | MA | < 8.10 | < 37.0 | MA |
| Pentachlorophenol (GCMS) | MA | < 0.290 | < 9.10 | MA |
| Supona | MA | < 0.787 | < 0.787 | MA |
| Supona (GCMS) | MA | < 3.90 | < 19.0 | MA |
| Vapona | MA | < 0.304 | < 0.304 | MA |
| Vapona (GCMS) | MA | < 0.670 | < 8.50 | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.760 | MA | 3.34 | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | < 0.780 | MA | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 0.730 | MA | < 0.730 | < 0.730 |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 1.70 | MA | < 1.70 | < 1.70 |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethane | < 1.10 | MA | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | MA | < 0.760 | < 0.760 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

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Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 101501UMW2
05/30/90 | 107201UMR1
09/06/89 | 107201UMR1
12/28/89 | 107911UMR1
05/09/90 |
|------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Volatiles | | | | |
| 1,2-Dichloroethanes (cis & trans) (GCMS) | MA | MA | MA | MA |
| Benzene | MA | MA | < 1.05 | MA |
| Benzene (GCMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | < 0.990 | MA | < 0.990 | < 0.990 |
| Carbon Tetrachloride (GCMS) | MA | MA | MA | MA |
| Chlorobenzene | < 0.820 | MA | < 0.820 | < 0.820 |
| Chlorobenzene (GCMS) | MA | MA | MA | MA |
| Chloroform | < 3.500 | MA | 0.961 | < 0.500 |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | < 0.195 | < 0.195 | MA |
| Dibromochloropropane (GCMS) | MA | < 0.250 | < 12.0 | MA |
| Dimethyl Disulfide | MA | < 0.133 | < 0.550 | MA |
| Ethyl Benzene | MA | MA | < 1.37 | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| n-Xylene | MA | MA | < 1.32 | MA |
| n-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | < 7.40 | MA | < 7.40 | < 7.40 |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

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rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 10150TUMY2
05/30/90 | 10720TUM8R1
09/08/89 | 10720TUM8R1
12/28/89 | 10791TUM8R1
05/09/90 |
|------------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| Analytes | | | | |
| Volatiles | | | | |
| Methylisobutyl Ketone | MA | < 4.90 | < 4.90 | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,P-Xylene | MA | MA | < 1.36 | MA |
| O,P-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | < 0.750 | MA | < 0.750 | < 0.750 |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |
| Toluene | MA | MA | < 1.47 | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | < 0.560 | MA | < 0.560 | < 0.560 |
| Trichloroethene (GCMS) | MA | MA | MA | MA |
| Vinyl Chloride (GCMS) | MA | MA | MA | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11010TUMAV
01/26/90 | 11071TU112
01/31/89 | 11071TU112
08/21/90 | 11295TU108
01/31/89 |
|----------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.35 | < 2.35 | < 2.35 | < 2.35 |
| Cadmium | < 6.78 | < 8.40 | < 6.78 | < 8.40 |
| Calcium | 93500 | 101000 | 117000 | 60600 |
| Chloride | R | 58000 | 92000 | 35000 |
| Chromium | < 16.8 | < 24.0 | < 16.8 | < 24.0 |
| Copper | < 18.8 | < 26.0 | < 18.8 | < 26.0 |
| Cyanide | < 5.00 | 6.16 | < 8.90 | 5.87 |
| Fluoride | R | 1630 | 1660 | 1660 |
| Iron | MA | MA | < 77.5 | MA |
| Lead | < 43.4 | < 74.0 | < 43.4 | < 74.0 |
| Magnesium | 29900 | 25600 | 30800 | 14800 |
| Manganese | MA | MA | < 9.67 | MA |
| Mercury | < 0.100 | < 0.100 | 1.64 | < 0.100 |
| Nitrite, Nitrate -- Non-Specific | 9300 | 7000 | 5300 | 3100 |
| Potassium | 3120 | 3190 | 4290 | 1970 |
| Sodium | 100000 | 80500 | 130000 | 60700 |
| Sulfate | R | 220000 | 230000 | 100000 |
| Total Organic Carbon | < 1000 | MA | 2400 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 1101CTHMAV
01/26/90 | 11071TU112
01/31/89 | 11071TU112
08/21/90 | 11295TU108
01/31/89 |
|--------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analyses | | | | |
| Metals/Anions/General Chem | | | | |
| Zinc | 245 | 36.5 | 28.7 | 24.9 |
| Phenols | | | | |
| 2,3,6-Trichlorophenol (GCMS) | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GCMS) | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 | < 3.60 | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | < 8.40 | < 8.40 | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | < 176 | < 176 | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | < 3.60 | < 3.60 | < 3.60 | < 3.60 |
| 2-Nitrophenol (GCMS) | < 8.20 | < 8.20 | < 8.20 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 | < 8.50 | < 8.50 | < 8.50 |
| 4-Methylphenol (GCMS) | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 4-Nitrophenol (GCMS) | < 96.0 | < 96.0 | < 96.0 | < 96.0 |
| Phenol (GCMS) | < 2.20 | < 2.20 | < 2.20 | < 2.20 |
| Semivolatiles | | | | |
| 1,4-Oxathiane | < 2.38 | < 2.38 | < 2.38 | < 2.38 |
| 1,4-Oxathiane (GCMS) | < 27.0 | < 27.0 | < 27.0 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.0490 | < 0.0490 | < 0.0490 | < 0.0490 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | < 18.0 | < 18.0 | < 18.0 | < 18.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11010TUMAV
01/26/90 | 11071TW112
01/31/89 | 11071TW112
08/21/90 | 112951W108
01/31/89 |
|-----------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | < 0.0540 | < 0.0540 | < 0.0540 | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) | < 14.0 | < 14.0 | < 14.0 | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 5.69 | < 5.69 | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 7.46 | < 7.46 | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | < 5.30 | < 5.30 | < 5.30 |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 | < 11.5 | < 11.5 | < 11.5 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 | < 15.0 | < 15.0 | < 15.0 |
| Aldrin | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Aldrin (GCMS) | < 13.0 | < 13.0 | < 13.0 | < 13.0 |
| Atrazine | < 4.03 | < 4.03 | < 4.03 | < 4.03 |
| Atrazine (GCMS) | < 5.90 | < 5.90 | < 5.90 | < 5.90 |
| Benothiazole | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 | < 5.90 | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | < 7.70 | MA | < 7.70 | MA |
| Caprolactam (GCMS) | < 10.0 | MA | < 7.70 | MA |
| Chlordane | < 0.0950 | < 0.0950 | < 0.0950 | < 0.0950 |
| Chlordane (GCMS) | < 37.0 | < 37.0 | < 37.0 | < 37.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 110101UMAV
01/26/90 | 11071TW112
01/31/89 | 11071TW112
08/21/90 | 11295TU108
01/31/89 |
|--------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| SemiVolatiles | | | | |
| Dicyclopentadiene | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Dicyclopentadiene (GCMS) | < 5.50 | < 5.50 | < 5.50 | < 5.50 |
| Dieldrin | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Dieldrin (GCMS) | < 26.0 | < 26.0 | < 26.0 | < 26.0 |
| Diisopropyl Methylphosphonate | 14.9 | 13.7 | 10.0 | R |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 | < 21.0 | < 21.0 | < 21.0 |
| Dimethylmethyl Phosphonate | < 0.188 | 0.382 | < 0.188 | < 0.188 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 | < 130 | < 130 | < 130 |
| Dithiane | < 1.34 | < 1.34 | < 1.34 | < 1.34 |
| Dithiane (GCMS) | < 3.30 | < 3.30 | < 3.30 | < 3.30 |
| Endrin | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Endrin (GCMS) | < 18.0 | < 18.0 | < 18.0 | < 19.0 |
| Hexachlorocyclopentadiene | < 0.0480 | < 0.0480 | < 0.0480 | < 0.0480 |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 | < 54.0 | < 54.0 | < 54.0 |
| Isodrin | < 0.0510 | < 0.0510 | < 0.0510 | < 0.0510 |
| Isodrin (GCMS) | < 7.80 | < 7.80 | < 7.80 | < 7.80 |
| Malathion | < 0.373 | < 0.373 | < 0.373 | < 0.373 |
| Malathion (GCMS) | < 21.0 | < 21.0 | < 21.0 | < 21.0 |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table 85 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11010TUMAV
01/26/90 | 11071TU112
01/31/89 | 11071TU112
08/21/90 | 11295TU108
01/31/89 |
|-----------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| Parathion | < 0.647 | < 0.647 | < 0.647 | < 0.647 |
| Parathion (GDMS) | < 37.0 | < 37.0 | < 37.0 | < 37.0 |
| Pentachlorophenol (GDMS) | < 9.10 | < 9.10 | < 9.10 | < 9.10 |
| Supona | < 0.787 | < 0.787 | < 0.787 | < 0.787 |
| Supona (GDMS) | < 19.0 | < 19.0 | < 19.0 | < 19.0 |
| Vapona | < 0.384 | < 0.384 | < 0.384 | < 0.384 |
| Vapona (GDMS) | < 8.50 | < 8.50 | < 8.50 | < 8.50 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | < 0.760 | < 0.760 |
| 1,1,1-Trichloroethane (GDMS) | < 1.00 | MA | < 1.00 | MA |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane (GDMS) | < 1.00 | MA | < 1.00 | MA |
| 1,1-Dichloroethane | < 0.730 | < 0.730 | < 0.730 | < 0.730 |
| 1,1-Dichloroethane (GDMS) | < 1.00 | MA | < 1.00 | MA |
| 1,1-Dichloroethane | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 1,1-Dichloroethane (GDMS) | < 1.00 | MA | < 1.00 | MA |
| 1,2-Dichloroethane | < 1.10 | < 1.10 | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GDMS) | < 1.00 | MA | < 1.00 | MA |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 | < 0.760 | < 0.760 |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 110101UMAV | 110711U112 | 110711U112 | 112551U108 |
|------------------------------------------|------------|------------|------------|------------|
| Date | 01/26/90 | 01/31/89 | 08/21/90 | 01/31/89 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | < 5.00 | MA | < 5.00 | MA |
| Benzene | < 1.05 | < 1.05 | < 1.05 | < 1.05 |
| Benzene (GDMS) | < 1.00 | MA | < 1.00 | MA |
| Carbon Tetrachloride | < 0.990 | < 0.990 | < 0.990 | < 0.990 |
| Carbon Tetrachloride (GDMS) | < 1.00 | MA | < 1.00 | MA |
| Chlorobenzene | < 0.820 | < 0.820 | < 0.820 | < 0.820 |
| Chlorobenzene (GDMS) | < 1.00 | MA | < 1.00 | MA |
| Chloroform | < 0.500 | < 0.500 | 2.32 | < 0.500 |
| Chloroform (GDMS) | < 1.00 | MA | 23.0 | MA |
| Dibromochloropropane | < 0.195 | < 0.195 | < 0.195 | < 0.195 |
| Dibromochloropropane (GDMS) | < 12.0 | < 12.0 | < 12.0 | < 12.0 |
| Dimethyl Disulfide | < 0.550 | < 0.550 | < 0.550 | < 0.550 |
| Ethyl Benzene | < 1.37 | < 1.37 | < 1.37 | < 1.37 |
| Ethyl Benzene (GDMS) | < 1.00 | MA | < 1.00 | MA |
| n-Xylene | < 1.32 | < 1.32 | < 1.32 | < 1.32 |
| n-Xylene (GDMS) | < 1.00 | MA | < 1.00 | MA |
| Methylene Chloride | < 7.40 | < 7.40 | < 7.40 | < 7.40 |
| Methylene Chloride (GDMS) | < 1.00 | MA | < 1.00 | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
discarded.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 110101UWAV
01/26/90 | 11071TU112
01/31/89 | 11071TU112
08/21/90 | 11295TU108
01/31/89 |
|------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Volatiles | < 4.90 | < 4.90 | < 4.90 | < 4.90 |
| Methylisobutyl Ketone | < 1.40 | MA | < 1.40 | MA |
| Methylisobutyl Ketone (GCMS) | < 1.36 | < 1.36 | < 1.36 | < 1.36 |
| O,P-Xylene | < 2.00 | MA | < 2.00 | MA |
| O,P-Xylene (GCMS) | < 0.750 | < 0.750 | < 0.750 | < 0.750 |
| Tetrachloroethene | | | | |
| Tetrachloroethene (GCMS) | < 1.00 | MA | < 1.00 | MA |
| Toluene | < 1.47 | < 1.47 | < 1.47 | < 1.47 |
| Toluene (GCMS) | < 1.00 | MA | < 1.00 | MA |
| Trichloroethene | < 0.560 | < 0.560 | < 0.560 | < 0.560 |
| Trichloroethene (GCMS) | < 1.00 | MA | < 1.00 | MA |
| Vinyl Chloride (GCMS) | < 12.0 | MA | < 12.0 | MA |

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
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 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 MA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 11295TU108 | 11295TU108 | 11460TUPEO | 11755TUMRI |
|----------------------------------|------------|------------|------------|------------|
| Date | 08/22/90 | 08/24/90 | 08/21/90 | 05/30/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.35 | MA | < 2.35 | MA |
| Cadmium | < 6.78 | MA | < 6.78 | MA |
| Calcium | 79900 | MA | 113000 | MA |
| Chloride | 65000 | MA | 86000 | MA |
| Chromium | < 16.8 | MA | < 16.8 | MA |
| Copper | < 18.8 | MA | < 18.8 | MA |
| Cyanide | < 8.90 | MA | < 8.90 | MA |
| Fluoride | 1520 | MA | 1510 | MA |
| Iron | < 77.5 | MA | < 77.5 | MA |
| Lead | 44.7 | MA | < 43.4 | MA |
| Magnesium | 18900 | MA | 29600 | MA |
| Manganese | < 9.67 | MA | < 9.67 | MA |
| Mercury | 1.34 | MA | 1.09 | MA |
| Nitrite, Nitrate -- Non-Specific | 3400 | MA | 5300 | MA |
| Potassium | 3240 | MA | 5490 | MA |
| Sodium | 76000 | MA | 120000 | MA |
| Sulfate | 140000 | MA | 160000 | MA |
| Total Organic Carbon | MA | 1901 | 2500 | MA |

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
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 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11295TU108
08/22/90 | 11295TU108
08/24/90 | 11460TUPEO
08/21/90 | 11755TUBRI
05/30/90 |
|--------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Zinc | 34.8 | MA | < 18.0 | MA |
| Phenols | | | | |
| 2,3,6-Trichlorophenol (GCMS) | MA | < 1.70 | < 1.70 | MA |
| 2,4,5-Trichlorophenol (GCMS) | MA | < 2.80 | < 2.80 | MA |
| 2,4,6-Trichlorophenol (GCMS) | MA | < 3.60 | < 3.60 | MA |
| 2,4-Dichlorophenol (GCMS) | MA | < 8.40 | < 8.40 | MA |
| 2,4-Dimethylphenol (GCMS) | MA | < 4.40 | < 4.40 | MA |
| 2,4-Dinitrophenol (GCMS) | MA | < 176 | < 176 | MA |
| 2-Chlorophenol (GCMS) | MA | < 2.80 | < 2.80 | MA |
| 2-Methylphenol (GCMS) | MA | < 3.60 | < 3.60 | MA |
| 2-Nitrophenol (GCMS) | MA | < 8.20 | < 8.20 | MA |
| 3-Methyl-4-Chlorophenol (GCMS) | MA | < 8.50 | < 8.50 | MA |
| 4-Methylphenol (GCMS) | MA | < 2.80 | < 2.80 | MA |
| 4-Nitrophenol (GCMS) | MA | < 96.0 | < 96.0 | MA |
| Phenol (GCMS) | MA | < 2.20 | < 2.20 | MA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | MA | < 2.38 | < 2.38 | MA |
| 1,4-Oxathiane (GCMS) | MA | < 27.0 | < 27.0 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | MA | < 0.0490 | < 0.0490 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | MA | < 18.0 | < 18.0 | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11295TU108
08/22/90 | 11295TU108
08/24/90 | 11460TUPEO
08/21/90 | 11755TUMR1
05/30/90 |
|-----------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) | MA | < 0.0540 | < 0.0540 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) (GDMS) | MA | < 14.0 | < 14.0 | MA |
| 4-Chlorophenylmethyl Sulfide | MA | < 5.69 | < 5.69 | MA |
| 4-Chlorophenylmethyl Sulfide (GDMS) | MA | < 10.0 | < 10.0 | MA |
| 4-Chlorophenylmethyl Sulfone | MA | < 7.46 | < 7.46 | MA |
| 4-Chlorophenylmethyl Sulfone (GDMS) | MA | < 5.30 | < 5.30 | MA |
| 4-Chlorophenylmethyl Sulfoxide | MA | < 11.5 | < 11.5 | MA |
| 4-Chlorophenylmethyl Sulfoxide (GDMS) | MA | < 15.0 | < 15.0 | MA |
| Aldrin | MA | < 0.0500 | < 0.0500 | MA |
| Aldrin (GDMS) | MA | < 13.0 | < 13.0 | MA |
| Atrazine | MA | < 4.03 | < 4.03 | MA |
| Atrazine (GDMS) | MA | < 5.90 | < 5.90 | MA |
| Benzothiazole | MA | < 5.00 | < 5.00 | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | < 5.90 | < 5.90 | MA |
| Bis (2-Ethylhexyl) Phthalate (GDMS) | MA | < 7.70 | < 7.70 | MA |
| Caprolactam (GDMS) | MA | < 10.0 | < 7.70 | MA |
| Chlordane | MA | < 0.0950 | < 0.0950 | MA |
| Chlordane (GDMS) | MA | < 37.0 | < 37.0 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11295TW108
08/22/90 | 11295TW108
08/24/90 | 11460TWPEO
08/21/90 | 11755TWBR1
05/30/90 |
|--------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| SemiVolatiles | | | | |
| Dicyclopentadiene | MA | < 5.00 | < 5.00 | MA |
| Dicyclopentadiene (GCMS) | MA | < 5.50 | < 5.50 | MA |
| Dieldrin | MA | < 0.0500 | < 0.0500 | MA |
| Dieldrin (GCMS) | MA | < 26.0 | < 26.0 | MA |
| Diisopropyl Methylphosphonate | MA | 3.24 | 0.830 | < 0.392 |
| Diisopropyl Methylphosphonate (GCMS) | MA | < 21.0 | < 21.0 | MA |
| Dimethylmethyl Phosphonate | MA | < 0.188 | < 0.188 | 26.6 |
| Dimethylmethyl Phosphonate (GCMS) | MA | < 130 | < 130 | MA |
| Dithiane | MA | < 1.34 | < 1.34 | MA |
| Dithiane (GCMS) | MA | < 3.30 | < 3.30 | MA |
| Endrin | MA | < 0.0500 | < 0.0500 | MA |
| Endrin (GCMS) | MA | < 18.0 | < 18.0 | MA |
| Hexachlorocyclopentadiene | MA | < 0.0480 | < 0.0480 | MA |
| Hexachlorocyclopentadiene (GCMS) | MA | < 54.0 | < 54.0 | MA |
| Isodrin | MA | < 0.0510 | < 0.0510 | MA |
| Isodrin (GCMS) | MA | < 7.80 | < 7.80 | MA |
| Malathion | MA | < 0.373 | < 0.373 | MA |
| Malathion (GCMS) | MA | < 21.0 | < 21.0 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11295TU108
08/22/90 | 11295TU108
08/24/90 | 11460TUPE0
08/21/90 | 11755TUBR1
05/30/90 |
|-----------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| Parathion | MA | < 0.647 | < 0.647 | MA |
| Parathion (GCMS) | MA | < 37.0 | < 37.0 | MA |
| Pentachlorophenol (GCMS) | MA | < 9.10 | < 9.10 | MA |
| Supona | MA | < 0.787 | < 0.787 | MA |
| Supona (GCMS) | MA | < 19.0 | < 19.0 | MA |
| Vapona | MA | < 0.384 | < 0.384 | MA |
| Vapona (GCMS) | MA | < 8.50 | < 8.50 | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.760 | MA | < 0.760 | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | < 1.00 | MA | < 1.00 | MA |
| 1,1,2-Trichloroethane | < 0.780 | MA | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 | MA | < 1.00 | MA |
| 1,1-Dichloroethane | < 0.730 | MA | < 0.730 | < 0.730 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | MA | < 1.00 | MA |
| 1,1-Dichloroethane | < 1.70 | MA | < 1.70 | < 1.70 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | MA | < 1.00 | MA |
| 1,2-Dichloroethane | < 1.10 | MA | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GCMS) | < 1.00 | MA | < 1.00 | MA |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | MA | < 0.760 | < 0.760 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 11295TU108 | 11295TU108 | 11460TUPEO | 11755TUBRI |
|------------------------------------------|------------|------------|------------|------------|
| Date | 08/22/90 | 08/24/90 | 08/21/90 | 05/30/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | < 5.00 | MA | < 5.00 | MA |
| Benzene | < 1.05 | MA | < 1.05 | MA |
| Benzene (GDMS) | < 1.00 | MA | < 1.00 | MA |
| Carbon Tetrachloride | < 0.990 | MA | < 0.990 | < 0.990 |
| Carbon Tetrachloride (GDMS) | < 1.00 | MA | < 1.00 | MA |
| Chlorobenzene | < 0.820 | MA | < 0.820 | < 0.820 |
| Chlorobenzene (GDMS) | < 1.00 | MA | < 1.00 | MA |
| Chloroform | < 0.500 | MA | < 0.500 | < 0.500 |
| Chloroform (GDMS) | < 1.00 | MA | < 1.00 | MA |
| Dibromochloropropane | < 0.195 | MA | < 0.195 | MA |
| Dibromochloropropane (GDMS) | MA | < 12.0 | < 12.0 | MA |
| Dimethyl Disulfide | MA | < 0.550 | < 0.550 | MA |
| Ethyl Benzene | < 1.37 | MA | < 1.37 | MA |
| Ethyl Benzene (GDMS) | < 1.00 | MA | < 1.00 | MA |
| n-Xylene | < 1.32 | MA | < 1.32 | MA |
| m-Xylene (GDMS) | < 1.00 | MA | < 1.00 | MA |
| Methylene Chloride | < 7.40 | MA | < 7.40 | < 7.40 |
| Methylene Chloride (GDMS) | < 1.00 | MA | < 1.00 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 112951W108 | 112951W108 | 114601WPE0 | 117551WBR1 |
|---------------------------------|------------|------------|------------|------------|
| Date | 08/22/90 | 08/24/90 | 08/21/90 | 05/30/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Methylisobutyl Ketone | MA | < 4.90 | < 4.90 | MA |
| Methylisobutyl Ketone (GCMS) | < 1.40 | MA | < 1.40 | MA |
| O,P-Xylene | < 1.36 | MA | < 1.36 | MA |
| O,P-Xylene (GCMS) | < 2.00 | MA | < 2.00 | MA |
| Tetrachloroethene | < 0.750 | MA | < 0.750 | < 0.750 |
| Halogenated Hydrocarbons | | | | |
| Tetrachloroethene (GCMS) | < 1.00 | MA | < 1.00 | MA |
| Toluene | < 1.47 | MA | < 1.47 | MA |
| Toluene (GCMS) | < 1.00 | MA | < 1.00 | MA |
| Trichloroethene | < 0.560 | MA | < 0.560 | < 0.560 |
| Trichloroethene (GCMS) | < 1.00 | MA | < 1.00 | MA |
| Other | | | | |
| Vinyl Chloride (GCMS) | < 12.0 | MA | < 12.0 | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11810TUBRI
05/19/90 | 11830TUV112
01/31/89 | 11830TUV112
09/08/89 | 11841TUD096
09/07/89 |
|----------------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | MA | < 2.35 | MA | MA |
| Cadmium | MA | < 8.40 | MA | MA |
| Calcium | MA | 100000 | MA | MA |
| Chloride | MA | 87000 | MA | MA |
| Chromium | MA | < 24.0 | MA | MA |
| Copper | MA | < 26.0 | MA | MA |
| Cyanide | MA | 12.0 | MA | MA |
| Fluoride | MA | 1840 | MA | MA |
| Iron | MA | MA | MA | MA |
| Lead | MA | < 74.0 | MA | MA |
| Magnesium | MA | 32500 | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | MA | < 0.100 | MA | MA |
| Nitrite, Nitrate -- Non-Specific | MA | 3400 | MA | MA |
| Potassium | MA | 4200 | MA | MA |
| Sodium | MA | 78500 | MA | MA |
| Sulfate | MA | 200000 | MA | MA |
| Total Organic Carbon | MA | MA | MA | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11810TU881
05/10/90 | 11830TU112
01/31/89 | 11830TU112
09/08/89 | 11841TU096
09/07/89 |
|--------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Zinc | MA | < 22.0 | MA | MA |
| Phenols | | | | |
| 2,3,6-Trichlorophenol (GCMS) | MA | < 1.70 | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GCMS) | MA | < 2.80 | < 2.80 | < 2.80 |
| 2,4,6-Trichlorophenol (GCMS) | MA | < 3.60 | < 3.60 | < 3.60 |
| 2,4- Dichlorophenol (GCMS) | MA | < 8.40 | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | MA | < 4.40 | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | MA | < 176 | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | MA | < 2.80 | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | MA | < 3.60 | < 0.600 | < 0.600 |
| 2-Nitrophenol (GCMS) | MA | < 8.20 | < 3.00 | < 3.00 |
| 3-Methyl-4-Chlorophenol (GCMS) | MA | < 8.50 | < 0.300 | < 0.300 |
| 4-Methylphenol (GCMS) | MA | < 2.80 | < 0.600 | < 0.600 |
| 4-Nitrophenol (GCMS) | MA | < 96.0 | < 0.400 | < 0.400 |
| Phenol (GCMS) | MA | < 2.20 | < 0.320 | < 0.320 |
| Semivolatiles | | | | |
| 1,4-Oxathiane | MA | < 2.38 | < 1.97 | < 1.97 |
| 1,4-Oxathiane (GCMS) | MA | < 27.0 | < 0.160 | < 0.160 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | MA | < 0.0490 | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | MA | < 18.0 | < 1.20 | < 1.20 |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.

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above the Maximum Reporting Limit.

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R -- Date did not meet quality control criteria and were

d.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11810TU001
05/10/90 | 11830TU112
01/31/89 | 11830TU112
09/08/89 | 11841TU096
09/07/89 |
|-----------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-dichloroethene (DDE) | NA | < 0.0540 | NA | MA |
| 2,2-Bis(parachlorophenyl)-1,1-dichloroethene (DDE) (GCMS) | NA | < 14.0 | < 3.39 | < 3.39 |
| 4-Chlorophenylmethyl Sulfide | MA | < 5.69 | < 10.5 | < 10.5 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | MA | < 10.0 | < 1.30 | < 1.30 |
| 4-Chlorophenylmethyl Sulfone | MA | < 7.46 | < 4.70 | < 4.70 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | NA | < 5.30 | < 0.750 | < 0.750 |
| 4-Chlorophenylmethyl Sulfoxide | NA | < 11.5 | < 15.2 | < 15.2 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | NA | < 15.0 | < 0.500 | < 0.500 |
| Aldrin | MA | < 0.0500 | MA | MA |
| Aldrin (GCMS) | MA | < 13.0 | < 0.800 | < 0.800 |
| Atrazine | NA | < 4.03 | < 4.03 | < 4.03 |
| Atrazine (GCMS) | MA | < 5.90 | < 0.500 | < 0.500 |
| Benzothiazole | MA | < 5.00 | < 0.00234 | < 0.00234 |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | < 5.90 | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | MA | MA | MA | MA |
| Caprolactam (GCMS) | MA | MA | MA | MA |
| Chlordane | MA | < 0.0950 | MA | MA |
| Chlordane (GCMS) | MA | < 37.0 | < 0.260 | < 0.260 |

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above the Maximum Reporting Limit.

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rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 11810TUBR1 | 11830TUB12 | 11830TUB12 | 11841TUB96 |
|--------------------------------------|------------|------------|------------|------------|
| Date | 05/10/90 | 01/31/89 | 09/08/89 | 09/07/89 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene | MA | < 5.00 | < 5.00 | < 5.00 |
| Dicyclopentadiene (GCMS) | MA | < 5.50 | < 0.560 | < 0.560 |
| Dieldrin | MA | < 0.0500 | MA | MA |
| Dieldrin (GCMS) | MA | < 26.0 | < 0.930 | < 0.930 |
| Diisopropyl Methylphosphonate | 140 | 5.11 | 0.477 | < 1.26 |
| Diisopropyl Methylphosphonate (GCMS) | MA | < 21.0 | < 1.60 | < 1.60 |
| Dimethylmethyl Phosphonate | < 0.188 | 0.24 | < 4.23 | < 4.23 |
| Dimethylmethyl Phosphonate (GCMS) | MA | < 130 | < 0.700 | < 0.700 |
| Dithiane | MA | < 1.34 | < 0.114 | < 0.114 |
| Dithiane (GCMS) | MA | < 3.30 | < 0.710 | < 0.710 |
| Endrin | MA | < 0.0500 | MA | MA |
| Endrin (GCMS) | MA | < 18.0 | < 0.100 | < 0.100 |
| Hexachlorocyclopentadiene | MA | < 0.0480 | < 0.0480 | < 0.0480 |
| Hexachlorocyclopentadiene (GCMS) | MA | < 54.0 | < 0.520 | < 0.520 |
| Isodrin | MA | < 0.0510 | MA | MA |
| Isodrin (GCMS) | MA | < 7.80 | < 0.990 | < 0.990 |
| Malathion | MA | < 0.373 | < 0.373 | < 0.373 |
| Malathion (GCMS) | MA | < 21.0 | < 0.620 | < 0.620 |

Notes: Values are reported in micrograms per liter.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11810TUBR1
05/10/90 | 11830TUV112
01/31/89 | 11830TUV112
09/08/89 | 11841TUA096
09/07/89 |
|-----------------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| Parathion | MA | < 0.647 | < 0.647 | < 0.647 |
| Parathion (GCMS) | MA | < 37.0 | < 8.10 | < 8.10 |
| Pentachlorophenol (GCMS) | MA | < 9.10 | < 0.290 | < 0.290 |
| Supona | MA | < 0.787 | < 0.787 | < 0.787 |
| Supona (GCMS) | MA | < 19.0 | < 3.90 | < 3.90 |
| Vapona | MA | < 0.384 | < 0.384 | < 0.384 |
| Vapona (GCMS) | MA | < 8.50 | < 0.670 | < 0.670 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | MA | MA |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 | MA | MA |
| 1,1,2-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 0.730 | < 0.730 | MA | MA |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethene | < 1.70 | < 1.70 | MA | MA |
| 1,1-Dichloroethene (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethane | < 1.10 | < 1.10 | MA | MA |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 | MA | MA |

Notes: Values are reported in micrograms per liter.

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above the Maximum Reporting Limit.

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rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11E10TU0001
05/10/90 | 11B30TU112
01/31/89 | 11B30TU112
09/08/89 | 11B41TU0096
09/07/89 |
|------------------------------------------|-------------------------|------------------------|------------------------|-------------------------|
| Analytes | | | | |
| Volatiles | | | | |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | MA | MA | MA | MA |
| Benzene | MA | < 1.05 | MA | MA |
| Benzene (GCMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | < 0.990 | < 0.990 | MA | MA |
| Carbon Tetrachloride (GCMS) | MA | MA | MA | MA |
| Chlorobenzene | < 0.820 | < 0.820 | MA | MA |
| Chlorobenzene (GCMS) | MA | MA | MA | MA |
| Chloroform | < 0.500 | < 0.500 | MA | MA |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | < 0.195 | < 0.195 | < 0.195 |
| Dibromochloropropane (GCMS) | MA | < 12.0 | < 0.250 | < 0.250 |
| Dimethyl Disulfide | MA | < 0.550 | < 0.133 | < 0.133 |
| Ethyl Benzene | MA | < 1.37 | MA | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| n-Xylene | MA | < 1.32 | MA | MA |
| n-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | < 7.40 | < 7.40 | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11810T0881
05/10/90 | 11830T0112
01/31/89 | 11830T0112
09/08/89 | 11841T0096
09/07/89 |
|------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Volatiles | | | | |
| Methylisobutyl Ketone | MA | < 4.90 | < 4.90 | < 4.90 |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,P-Xylene | MA | < 1.36 | MA | MA |
| O,P-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | < 0.750 | < 0.750 | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |
| Toluene | MA | < 1.47 | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | < 0.560 | < 0.560 | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |
| Vinyl Chloride (GCMS) | MA | MA | MA | MA |

Notes: Values are reported in micrograms per liter.
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 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 MA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11841TU096
01/26/90 | 11841TU096
08/21/90 | 11921TU096
09/07/89 | 12001TU091
05/10/90 |
|-----------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.35 | < 2.35 | MA | MA |
| Cadmium | < 6.78 | < 6.78 | MA | MA |
| Calcium | 1510 | 1480 | MA | MA |
| Chloride | R | 3390 | MA | MA |
| Chromium | < 16.8 | < 16.8 | MA | MA |
| Copper | < 18.8 | < 18.8 | MA | MA |
| Cyanide | < 5.00 | < 8.90 | MA | MA |
| Fluoride | R | 2920 | MA | MA |
| Iron | MA | < 77.5 | MA | MA |
| Lead | < 43.4 | < 43.4 | MA | MA |
| Magnesium | < 135 | 51.3 | MA | MA |
| Manganese | MA | < 9.67 | MA | MA |
| Mercury | < 0.100 | 1.35 | MA | MA |
| Nitrite, Nitrate -- Non-Specific | 44.2 | 150 | MA | MA |
| Potassium | < 1240 | < 1240 | MA | MA |
| Sodium | 100000 | 93000 | MA | MA |
| Sulfate | R | 21000 | MA | MA |
| Total Organic Carbon | < 1000 | < 1000 | MA | MA |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
discarded.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 11841TU096 | 11841TU096 | 11921TU096 | 12001TU081 |
|--------------------------------------------------------------|------------|------------|------------|------------|
| Date | 01/26/90 | 08/21/90 | 09/07/89 | 05/10/90 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Zinc | < 18.0 | < 18.0 | MA | MA |
| Phenols | | | | |
| 2,3,6-Trichlorophenol (GDMS) | < 1.70 | < 1.70 | < 1.70 | MA |
| 2,4,5-Trichlorophenol (GDMS) | < 2.80 | < 2.80 | < 2.80 | MA |
| 2,4,6-Trichlorophenol (GDMS) | < 3.60 | < 3.60 | < 3.60 | MA |
| 2,4-Dichlorophenol (GDMS) | < 8.40 | < 8.40 | < 8.40 | MA |
| 2,4-Dimethylphenol (GDMS) | < 4.40 | < 4.40 | < 4.40 | MA |
| 2,4-Dinitrophenol (GDMS) | < 176 | < 176 | < 176 | MA |
| 2-Chlorophenol (GDMS) | < 2.80 | < 2.80 | < 2.80 | MA |
| 2-Methylphenol (GDMS) | < 3.60 | < 3.60 | < 0.600 | MA |
| 2-Nitrophenol (GDMS) | < 8.20 | < 8.20 | < 3.00 | MA |
| 3-Methyl-4-Chlorophenol (GDMS) | < 8.50 | < 8.50 | < 0.300 | MA |
| 4-Methylphenol (GDMS) | < 2.80 | < 2.80 | < 0.600 | MA |
| 4-Nitrophenol (GDMS) | < 96.0 | < 96.0 | < 0.400 | MA |
| Phenol (GDMS) | < 2.20 | < 2.20 | < 0.320 | MA |
| Semi-volatiles | | | | |
| 1,4-Dichlorobenzene | < 2.38 | < 2.38 | < 1.97 | MA |
| 1,2-Dichloroethane (GDMS) | < 27.0 | < 27.0 | < 0.160 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.0490 | < 0.0490 | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GDMS) | < 18.0 | < 18.0 | < 1.20 | MA |

Notes: Values are reported in micrograms per liter.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11841TU096
01/26/90 | 11841TU096
08/21/90 | 11921TU096
09/07/89 | 12001TU091
05/10/90 |
|-----------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| SemiVolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) | < 0.0540 | < 0.0540 | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) (GCMS) | < 14.0 | < 14.0 | < 3.39 | MA |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 5.69 | < 10.5 | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | < 10.0 | < 1.30 | MA |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 7.46 | < 4.70 | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | < 5.30 | < 0.750 | MA |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 | < 11.5 | < 15.2 | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 | < 15.0 | < 0.500 | MA |
| Aldrin | < 0.0500 | < 0.0500 | MA | MA |
| Aldrin (GCMS) | < 13.0 | < 13.0 | < 0.800 | MA |
| Atrazine | < 4.03 | < 4.03 | < 4.03 | MA |
| Atrazine (GCMS) | < 5.90 | < 5.90 | < 0.500 | MA |
| Benothiazole | < 5.00 | < 5.00 | < 0.00234 | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 | < 5.90 | < 5.90 | MA |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | < 7.70 | < 7.70 | MA | MA |
| Caprolactam (GCMS) | < 10.0 | < 7.70 | MA | MA |
| Chlordane | < 0.0950 | < 0.0950 | MA | MA |
| Chlordane (GCMS) | < 37.0 | < 37.0 | < 0.260 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11841TU096
01/26/90 | 11841TU096
08/21/90 | 11921TU096
09/07/89 | 12001TU096
05/10/90 |
|--------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semi-volatiles | | | | |
| Dicyclopentadiene | < 5.00 | < 5.00 | < 5.00 | MA |
| Dicyclopentadiene (GCMS) | < 5.50 | < 5.50 | < 0.560 | MA |
| Dieldrin | < 0.0500 | < 0.0500 | MA | MA |
| Dieldrin (GCMS) | < 26.0 | < 26.0 | < 0.930 | MA |
| Diisopropyl Methylphosphonate | 0.521 | < 0.392 | < 1.26 | 6.52 |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 | < 21.0 | < 1.60 | MA |
| Dimethylmethyl Phosphonate | < 0.188 | < 0.188 | < 4.23 | < 0.188 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 | < 130 | < 0.700 | MA |
| Dithiane | < 1.34 | < 1.34 | < 0.114 | MA |
| Dithiane (GCMS) | < 3.30 | < 3.30 | < 0.710 | MA |
| Endrin | < 0.0500 | < 0.0500 | MA | MA |
| Endrin (GCMS) | < 18.0 | < 18.0 | < 0.100 | MA |
| Hexachlorocyclopentadiene | < 0.0480 | < 0.0480 | < 0.0480 | MA |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 | < 54.0 | < 0.520 | MA |
| Isodrin | < 0.0510 | < 0.0510 | MA | MA |
| Isodrin (GCMS) | < 7.63 | < 7.63 | < 0.990 | MA |
| Malathion | < 0.373 | < 0.373 | < 0.373 | MA |
| Malathion (GCMS) | < 21.0 | < 21.0 | < 0.620 | MA |

Notes: Values are reported in micrograms per liter.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11841TU096
01/26/90 | 11841TU096
08/21/90 | 11921TU096
09/07/89 | 12001TUBRI
05/10/90 |
|-----------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| Permethrin | < 0.647 | < 0.647 | < 0.647 | MA |
| Permethrin (GC/MS) | < 37.0 | < 37.0 | < 8.10 | MA |
| Pentachlorophenol (GC/MS) | < 9.10 | < 9.10 | < 0.290 | MA |
| Supona | < 0.787 | < 0.787 | < 0.787 | MA |
| Supona (GC/MS) | < 19.0 | < 19.0 | < 3.90 | MA |
| Vapona | < 0.384 | < 0.384 | < 0.384 | MA |
| Vapona (GC/MS) | < 8.50 | < 8.50 | < 0.670 | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | MA | < 0.760 |
| 1,1,1-Trichloroethane (GC/MS) | < 1.00 | < 1.00 | MA | MA |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 | MA | < 0.780 |
| 1,1,2-Trichloroethane (GC/MS) | < 1.00 | < 1.00 | MA | MA |
| 1,1-0ichloroethane | < 0.730 | < 0.730 | MA | < 0.730 |
| 1,1-0ichloroethane (GC/MS) | < 1.00 | < 1.00 | MA | MA |
| 1,1-0ichloroethane | < 1.70 | < 1.70 | MA | < 1.70 |
| 1,1-0ichloroethane (GC/MS) | < 1.00 | < 1.00 | MA | MA |
| 1,2-0ichloroethane | < 1.10 | < 1.10 | MA | < 1.10 |
| 1,2-0ichloroethane (GC/MS) | < 1.00 | < 1.00 | MA | MA |
| 1,2-0ichloroethenes (cis & trans) | < 0.760 | < 0.760 | MA | < 0.760 |

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 above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

50.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11841TU096
01/26/90 | 11841TU096
08/21/90 | 11921TU096
09/07/89 | 12001TU096
05/10/90 |
|------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Volatiles | | | | |
| 1,2-Dichloroethanes (cis & trans) (GCMS) | < 5.00 | < 5.00 | MA | MA |
| Benzene | < 1.05 | < 1.05 | MA | MA |
| Benzene (GCMS) | < 1.00 | < 1.00 | MA | MA |
| Carbon Tetrachloride | < 0.990 | < 0.990 | MA | < 0.990 |
| Carbon Tetrachloride (GCMS) | < 1.00 | < 1.00 | MA | MA |
| Chlorobenzene | < 0.820 | < 0.820 | MA | < 0.820 |
| Chlorobenzene (GCMS) | < 1.00 | < 1.00 | MA | MA |
| Chloroform | 24.9 | 1.17 | MA | < 0.500 |
| Chloroform (GCMS) | < 1.00 | < 1.00 | MA | MA |
| Dibromochloropropane | < 0.195 | < 0.195 | < 0.195 | MA |
| Dibromochloropropane (GCMS) | < 12.0 | < 12.0 | < 0.250 | MA |
| Dimethyl Disulfide | < 0.550 | < 0.550 | < 0.133 | MA |
| Ethyl Benzene | < 1.37 | < 1.37 | MA | MA |
| Ethyl Benzene (GCMS) | < 1.00 | < 1.00 | MA | MA |
| n-Xylene | < 1.32 | < 1.32 | MA | MA |
| m-Xylene (GCMS) | < 1.00 | < 1.00 | MA | MA |
| Methylene Chloride | < 7.40 | < 7.40 | MA | < 7.40 |
| Methylene Chloride (GCMS) | < 1.00 | < 1.00 | MA | MA |

Notes: Values are reported in micrograms per liter.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 11841TU096
01/26/90 | 11841TU096
08/21/90 | 11921TU096
09/07/89 | 12001TU091
05/10/90 |
|------------------------------|------------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Volatiles | | | | |
| Methylisobutyl Ketone | < 4.90 | < 4.90 | < 4.90 | MA |
| Methylisobutyl Ketone (GCMS) | < 1.40 | < 1.40 | MA | MA |
| O,P-Xylene | < 1.36 | < 1.36 | MA | MA |
| O,P-Xylene (GCMS) | < 2.00 | < 2.00 | MA | MA |
| Tetrachloroethene | < 0.750 | < 0.750 | MA | < 0.750 |
| Tetrachloroethene (GCMS) | | | | |
| Toluene | < 1.00 | < 1.00 | MA | MA |
| Toluene (GCMS) | < 1.47 | < 1.47 | MA | MA |
| Trichloroethene | < 1.00 | < 1.00 | MA | MA |
| Trichloroethene (GCMS) | < 0.560 | < 0.560 | MA | < 0.560 |
| Vinyl Chloride (GCMS) | < 1.00 | < 1.00 | MA | MA |
| | < 12.0 | < 12.0 | MA | MA |

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 or above the Certified Reporting Limit.
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 above the Maximum Reporting Limit.
 MA -- Not Analyzed.
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Table 65 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 133501U104
01/17/89 | 137011U104
01/17/89 | 37431
09/13/89 | 37431
11/21/89 |
|----------------------------------|------------------------|------------------------|-------------------|-------------------|
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.35 | < 2.35 | MA | 3.22 |
| Cadmium | < 8.40 | < 8.40 | MA | < 6.78 |
| Calcium | 83500 | 34000 | MA | 1810 |
| Chloride | 60000 | 30000 | MA | 2580 |
| Chromium | < 26.0 | < 26.0 | MA | 19.8 |
| Copper | < 26.0 | < 26.0 | MA | < 16.8 |
| Cyanide | < 5.00 | < 5.00 | MA | < 5.00 |
| Fluoride | 1540 | 3450 | MA | MA |
| Iron | MA | MA | MA | MA |
| Lead | < 74.0 | < 7.0 | MA | < 43.4 |
| Magnesium | 8790 | 7110 | MA | < 135 |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.100 | < 0.100 | MA | < 0.100 |
| Nitrite, Nitrate -- Non-Specific | 290 | 57.5 | MA | 1000 |
| Potassium | 1070 | 916 | MA | < 1240 |
| Sodium | 190000 | 160000 | MA | 120000 |
| Sulfate | 280000 | 180000 | MA | 2490 |
| Total Organic Carbon | MA | MA | MA | < 500 |

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 rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 13350TU104
01/17/89 | 13701TU104
01/17/89 | 37431
09/13/89 | 37431
11/21/89 |
|--------------------------------------------------------------|------------------------|------------------------|-------------------|-------------------|
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Zinc | 23.1 | 667 | MA | < 18.0 |
| Phenols | | | | |
| 2,3,6-Trichlorophenol (GCMS) | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GCMS) | MA | MA | < 2.80 | < 2.80 |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 | < 3.60 | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | < 8.40 | < 8.40 | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | < 176 | < 176 | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | < 3.60 | < 3.60 | < 0.600 | < 3.60 |
| 2-Nitrophenol (GCMS) | < 8.20 | < 8.20 | < 3.00 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 | < 8.50 | < 0.300 | < 8.50 |
| 4-Methylphenol (GCMS) | < 2.80 | < 2.80 | < 0.600 | < 2.80 |
| 4-Nitrophenol (GCMS) | < 96.0 | < 96.0 | < 0.400 | < 96.0 |
| Phenol (GCMS) | < 2.20 | < 2.20 | < 0.320 | < 2.20 |
| Semivolatiles | | | | |
| 1,4-Dioxane | < 2.38 | < 2.38 | < 1.97 | < 2.38 |
| 1,4-Dioxane (GCMS) | < 27.0 | < 27.0 | < 0.160 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.0490 | < 0.0490 | MA | < 0.0490 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | < 18.0 | < 18.0 | < 1.20 | < 18.0 |

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Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 133501W104
01/17/89 | 13701TW104
01/17/89 | 37431
09/13/89 | 37431
11/21/89 |
|-----------------------------------------------------------|------------------------|------------------------|-------------------|-------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) | < 0.0540 | < 0.0540 | MA | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) (GCMS) | < 14.0 | < 14.0 | < 3.39 | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 5.69 | < 10.5 | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | < 10.0 | < 1.30 | < 10.0 |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 7.46 | < 4.70 | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | < 5.30 | < 0.750 | < 5.30 |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 | < 11.5 | < 15.2 | < 11.5 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 | < 15.0 | < 0.500 | < 15.0 |
| Aldrin | < 0.0500 | < 0.0500 | MA | < 0.0500 |
| Aldrin (GCMS) | < 13.0 | < 13.0 | < 0.800 | < 13.0 |
| Atrazine | < 4.03 | < 4.03 | < 4.03 | < 4.03 |
| Atrazine (GCMS) | < 5.90 | < 5.90 | < 0.500 | < 5.90 |
| Benothiazole | < 5.00 | < 5.00 | < 0.00234 | < 5.00 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 | < 5.90 | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | MA | MA | MA | < 7.70 |
| Caprolactam (GCMS) | MA | MA | MA | < 10.0 |
| Chlordane | < 0.0950 | 0.0950 | MA | < 0.0950 |
| Chlordane (GCMS) | < 37.0 | < 37.0 | < 0.260 | < 37.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 133501U104 | 13701U104 | 37431 | 37431 |
|--------------------------------------------|------------|-----------|----------|----------|
| Date | 01/17/89 | 01/17/89 | 09/13/89 | 11/21/89 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Dicyclopentadiene (GCMS) | < 5.50 | < 5.50 | < 0.560 | < 5.50 |
| Dieldrin | < 0.0500 | < 0.0500 | MA | < 0.0500 |
| Dieldrin (GCMS) | < 26.0 | < 26.0 | < 0.950 | < 26.0 |
| Disopropyl Methylphosphonate | 22.0 | 3.87 | < 1.26 | < 0.392 |
| Disopropyl Methylphosphonate (GCMS) | | | | |
| Dimethylmethyl Phosphonate | < 21.0 | < 21.0 | < 1.60 | < 21.0 |
| Dimethylmethyl Phosphonate (GCMS) | < 0.188 | < 0.188 | < 4.23 | < 0.188 |
| Dithiane | < 130 | < 130 | < 0.700 | < 130 |
| Dithiane (GCMS) | < 1.34 | < 1.34 | < 0.114 | < 1.34 |
| | < 3.30 | < 3.30 | < 0.710 | < 3.30 |
| Endrin | | | | |
| Endrin (GCMS) | < 0.0500 | < 0.0500 | MA | < 0.0500 |
| Hexachlorocyclopentadiene | < 19.0 | < 18.0 | < 0.100 | < 18.0 |
| Hexachlorocyclopentadiene (GCMS) | < 0.0480 | < 0.0480 | < 0.0480 | < 0.0480 |
| Isodrin | < 54.0 | < 54.0 | < 0.520 | < 54.0 |
| | < 0.0510 | < 0.0510 | MA | < 0.0510 |
| Isodrin (GCMS) | | | | |
| Malathion | < 7.80 | < 7.80 | < 0.990 | < 7.80 |
| Malathion (GCMS) | < 0.373 | < 0.373 | < 0.373 | < 0.373 |
| | < 21.0 | < 21.0 | < 0.620 | < 21.0 |

Notes: Values are reported in micrograms per liter.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 133501U104
01/17/89 | 137011U104
01/17/89 | 37431
09/13/89 | 37431
11/21/89 |
|-----------------------------------|------------------------|------------------------|-------------------|-------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| Parathion | < 0.647 | < 0.647 | < 0.647 | < 0.647 |
| Parathion (GCMS) | < 37.0 | < 37.0 | < 8.10 | < 37.0 |
| Pentachlorophenol (GCMS) | < 9.10 | < 9.10 | < 0.290 | < 9.10 |
| Supona | < 0.787 | < 0.787 | < 0.787 | < 0.787 |
| Supona (GCMS) | < 19.0 | < 19.0 | < 3.90 | < 19.0 |
| Vapona | < 0.384 | < 0.384 | < 0.384 | < 0.384 |
| Vapona (GCMS) | < 8.50 | < 8.50 | < 0.670 | < 8.50 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | MA | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 | MA | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 0.730 | < 0.730 | MA | < 0.730 |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 1.70 | < 1.70 | MA | < 1.70 |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethane | < 1.10 | < 1.10 | MA | < 1.10 |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 | MA | < 0.760 |

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 rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 133501U104
01/17/89 | 137011U104
01/17/89 | 37431
09/13/89 | 37431
11/21/89 |
|------------------------------------------|------------------------|------------------------|-------------------|-------------------|
| Analytes | | | | |
| Volatiles | | | | |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | MA | MA | SA | MA |
| Benzene | < 1.05 | < 1.05 | MA | < 1.05 |
| Benzene (GCMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | < 0.990 | < 0.990 | MA | < 0.990 |
| Carbon Tetrachloride (GCMS) | MA | MA | MA | MA |
| Chlorobenzene | < 0.820 | < 0.820 | MA | < 0.820 |
| Chlorobenzene (GCMS) | MA | MA | MA | MA |
| Chloroform | < 0.500 | < 0.500 | MA | < 0.500 |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | < 0.195 | < 0.195 | < 0.195 | < 0.195 |
| Dibromochloropropane (GCMS) | < 12.0 | < 12.0 | < 0.250 | < 12.0 |
| Dimethyl Disulfide | < 0.550 | < 0.550 | < 0.133 | < 0.550 |
| Ethyl Benzene | < 1.37 | < 1.37 | MA | < 1.37 |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| n-Xylene | < 1.32 | < 1.32 | MA | < 1.32 |
| n-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | < 7.40 | < 7.40 | MA | < 7.40 |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |

Notes: Values are reported in micrograms per liter.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 13350TV104
01/17/89 | 13701TV104
01/17/89 | 37431
09/13/89 | 37431
11/21/89 |
|------------------------------|------------------------|------------------------|-------------------|-------------------|
| Analytes | | | | |
| Volatiles | | | | |
| Methylisobutyl Ketone | < 4.90 | < 4.90 | < 4.90 | < 4.90 |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,P-Xylene | < 1.36 | < 1.36 | MA | < 1.36 |
| O,P-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | < 0.750 | < 0.750 | MA | < 0.750 |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |
| Toluene | < 1.47 | < 1.47 | MA | < 1.47 |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | < 0.560 | < 0.560 | MA | < 0.560 |
| Trichloroethene (GCMS) | MA | MA | MA | MA |
| Vinyl Chloride (GCMS) | MA | MA | MA | MA |

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above the Maximum Reporting Limit.

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rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 37445
08/28/90 | 8834ATM096
08/22/90 | 8834ATM096
08/24/90 | 8834BTM096
08/22/90 |
|----------------------------------|-------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | 4.89 | < 2.35 | MA | < 2.35 |
| Cadmium | < 6.78 | MA | MA | MA |
| Calcium | 2650 | MA | MA | MA |
| Chloride | 9960 | 120000 | MA | 64000 |
| Chromium | < 16.8 | MA | MA | MA |
| Copper | 31.8 | MA | MA | MA |
| Cyanide | < 8.90 | MA | MA | MA |
| Fluoride | 2850 | 1370 | MA | 1080 |
| Iron | MA | MA | MA | MA |
| Lead | < 43.4 | MA | MA | MA |
| Magnesium | 161 | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.100 | < 0.100 | MA | < 0.100 |
| Nitrite, Nitrate -- Non-Specific | 140 | 2500 | MA | 7000 |
| Potassium | < 1240 | MA | MA | MA |
| Sodium | 120000 | MA | MA | MA |
| Sulfate | 30000 | 110000 | MA | 170000 |
| Total Organic Carbon | < 1500 | MA | 1500 | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 37445 | 88344TMD96 | 88344TMD96 | 88344TMD96 |
|--------------------------------------------------------------|----------|------------|------------|------------|
| Date | 08/28/90 | 08/22/90 | 08/24/90 | 08/22/90 |
| Analytes | 616 | MA | MA | MA |
| Metals/Anions/General Chem | | | | |
| Zinc | | | | |
| Phenols | | | | |
| 2,3,6-Trichlorophenol (GDMS) | < 1.70 | MA | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GDMS) | < 2.80 | MA | < 2.80 | < 2.80 |
| 2,4,6-Trichlorophenol (GDMS) | < 3.60 | MA | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GDMS) | < 8.40 | MA | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GDMS) | < 4.40 | MA | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GDMS) | < 176 | MA | < 176 | < 176 |
| 2-Chlorophenol (GDMS) | < 2.80 | MA | < 2.80 | < 2.80 |
| 2-Methylphenol (GDMS) | < 3.60 | MA | < 3.60 | < 3.60 |
| 2-Nitrophenol (GDMS) | < 8.20 | MA | < 8.20 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GDMS) | < 8.50 | MA | < 8.50 | < 8.50 |
| 4-Methylphenol (GDMS) | < 2.80 | MA | < 2.80 | < 2.80 |
| 4-Nitrophenol (GDMS) | < 96.0 | MA | < 96.0 | < 96.0 |
| Phenol (GDMS) | < 2.20 | MA | < 2.20 | < 2.20 |
| Semivolatiles | | | | |
| 1,4-Oxathiane | < 2.38 | MA | < 2.38 | < 2.38 |
| 1,4-Oxathiane (GDMS) | < 27.0 | MA | < 27.0 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) | < 0.0490 | MA | < 0.0490 | < 0.0490 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) (GDMS) | < 18.0 | MA | < 18.0 | < 18.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 37445
08/28/90 | 8834ATU096
08/22/90 | 8834ATU096
08/24/90 | 8834ATU096
08/22/90 |
|-----------------------------------------------------------|-------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | < 0.0540 | MA | < 0.0540 | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) | < 14.0 | MA | < 14.0 | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | MA | < 5.69 | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | MA | < 10.0 | < 10.0 |
| 4-Chlorophenylmethyl Sulfone | < 7.45 | MA | < 7.46 | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | MA | < 5.30 | < 5.30 |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 | MA | < 11.5 | < 11.5 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 | MA | < 15.0 | < 15.0 |
| Aldrin | < 0.0500 | MA | < 0.0500 | < 0.0500 |
| Aldrin (GCMS) | < 13.0 | MA | < 13.0 | < 13.0 |
| Atrazine | < 4.03 | MA | < 4.03 | < 4.03 |
| Atrazine (GCMS) | < 5.90 | MA | < 5.90 | < 5.90 |
| Benothiazole | < 5.00 | MA | < 5.00 | < 5.00 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 | MA | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | < 7.70 | MA | < 7.70 | < 7.70 |
| Caprolactam (GCMS) | < 10.0 | MA | < 7.70 | < 7.70 |
| Chlordane | < 0.0950 | MA | < 0.0950 | < 0.0950 |
| Chlordane (GCMS) | < 37.0 | MA | < 37.0 | < 37.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

revised.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 37445
08/28/90 | 8834ATU096
08/22/90 | 8834ATU096
08/24/90 | 8834ATU096
08/22/90 |
|--------------------------------------|-------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene | < 5.00 | MA | < 5.00 | < 5.00 |
| Dicyclopentadiene (GCMS) | < 5.50 | MA | < 5.50 | < 5.50 |
| Dieldrin | < 0.0500 | MA | < 0.0500 | < 0.0500 |
| Dieldrin (GCMS) | < 26.0 | MA | < 26.0 | < 26.0 |
| Diisopropyl Methylphosphonate | < 0.392 | MA | 7.86 | < 0.392 |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 | MA | < 21.0 | < 21.0 |
| Dimethylmethyl Phosphonate | < 0.188 | MA | < 0.188 | < 0.188 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 | MA | < 130 | < 130 |
| Dithiane | < 1.34 | MA | < 1.34 | < 1.34 |
| Dithiane (GCMS) | < 3.30 | MA | < 3.30 | < 3.30 |
| Endrin | < 0.0500 | MA | < 0.0500 | < 0.0500 |
| Endrin (GCMS) | < 18.0 | MA | < 18.0 | < 18.0 |
| Hexachlorocyclopentadiene | < 0.0480 | MA | < 0.0480 | < 0.0480 |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 | MA | < 54.0 | < 54.0 |
| Isodrin | < 0.0510 | MA | < 0.0510 | < 0.0510 |
| Isodrin (GCMS) | < 7.80 | MA | < 7.80 | < 7.80 |
| Malathion | < 0.373 | MA | < 0.373 | < 0.373 |
| Malathion (GCMS) | < 21.0 | MA | < 21.0 | < 21.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID | 37445 | 8834ATU096 | 8834ATU096 | 8834ATU096 | 8834ATU096 |
|-----------------------------------|----------|------------|------------|------------|------------|
| Date | 08/28/90 | 08/22/90 | 08/22/90 | 08/24/90 | 08/22/90 |
| Analytes | | | | | |
| Semivolatiles | | | | | |
| Parathion | < 0.667 | MA | | < 0.667 | < 0.667 |
| Parathion (GCMS) | < 37.0 | MA | | < 37.0 | < 37.0 |
| Pentachlorophenol (GCMS) | < 9.10 | MA | | < 9.10 | < 9.10 |
| Supona | < 0.787 | MA | | < 0.787 | < 0.787 |
| Supona (GCMS) | < 19.0 | MA | | < 19.0 | < 19.0 |
| Vapona | < 0.386 | MA | | < 0.386 | < 0.386 |
| Vapona (GCMS) | < 8.50 | MA | | < 8.50 | < 8.50 |
| Volatiles | | | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | | MA | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | < 1.00 | < 1.00 | | MA | < 1.00 |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 | | MA | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 | < 1.00 | | MA | < 1.00 |
| 1,1-Dichloroethane | < 0.730 | < 0.730 | | MA | < 0.730 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 | | MA | < 1.00 |
| 1,1-Dichloroethane | < 1.70 | < 1.70 | | MA | < 1.70 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 | | MA | < 1.00 |
| 1,2-Dichloroethane | < 1.10 | < 1.10 | | MA | < 1.10 |
| 1,2-Dichloroethane (GCMS) | < 1.00 | < 1.00 | | MA | < 1.00 |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 | | MA | < 0.760 |

Notes: Values are reported in micrograms per liter.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 37445
08/28/90 | 8834ATU096
08/22/90 | 8834ATU096
08/24/90 | 8834ATU096
08/22/90 |
|------------------------------------------|-------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Volatiles | | | | |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 5.00 | < 5.00 | MA | < 5.00 |
| Benzene | < 1.05 | < 1.05 | MA | < 1.05 |
| Benzene (GCMS) | < 1.00 | < 1.00 | MA | < 1.00 |
| Carbon Tetrachloride | < 0.990 | < 0.990 | MA | < 0.990 |
| Carbon Tetrachloride (GCMS) | < 1.00 | < 1.00 | MA | < 1.00 |
| Chlorobenzene | < 0.820 | < 0.820 | MA | < 0.820 |
| Chlorobenzene (GCMS) | < 1.00 | < 1.00 | MA | < 1.00 |
| Chloroform | < 0.500 | 2.74 | MA | < 0.500 |
| Chloroform (GCMS) | < 1.00 | 33.0 | MA | < 1.00 |
| Dibromochloropropane | < 0.195 | < 0.195 | MA | < 0.195 |
| Dibromochloropropane (GCMS) | < 12.0 | MA | < 12.0 | < 12.0 |
| Dimethyl Disulfide | < 0.550 | MA | < 0.550 | < 0.550 |
| Ethyl Benzene | < 1.37 | < 1.37 | MA | < 1.37 |
| Ethyl Benzene (GCMS) | < 1.00 | < 1.00 | MA | < 1.00 |
| n-Xylene | < 1.32 | < 1.32 | MA | < 1.32 |
| n-Xylene (GCMS) | < 1.00 | < 1.00 | MA | < 1.00 |
| Methylene Chloride | < 7.40 | < 7.40 | MA | < 7.40 |
| Methylene Chloride (GCMS) | < 1.00 | < 1.00 | MA | < 1.00 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples

| Sample ID
Date | 37445
08/28/90 | 8834ATU096
06/22/90 | 8834ATU096
08/24/90 | 8834BTU096
08/22/90 |
|------------------------------|-------------------|------------------------|------------------------|------------------------|
| Analytes | | | | |
| Volatiles | | | | |
| Methylisobutyl Ketone | < 4.90 | MA | < 4.90 | < 4.90 |
| Methylisobutyl Ketone (GCMS) | < 1.40 | < 1.40 | MA | < 1.40 |
| O,P-Xylene | < 1.36 | < 1.36 | MA | < 1.36 |
| O,P-Xylene (GCMS) | < 2.00 | < 2.00 | MA | < 2.00 |
| Tetrachloroethene | < 0.750 | < 0.750 | MA | < 0.750 |
| Tetrachloroethene (GCMS) | < 1.00 | < 1.00 | MA | < 1.00 |
| Toluene | < 1.47 | < 1.47 | MA | < 1.47 |
| Toluene (GCMS) | < 1.00 | < 1.00 | MA | < 1.00 |
| Trichloroethene | < 0.560 | < 0.560 | MA | < 0.560 |
| Trichloroethene (GCMS) | < 1.00 | < 1.00 | MA | < 1.00 |
| Vinyl Chloride (GCMS) | < 12.0 | < 12.0 | MA | < 12.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table B5 Investigative Analytical Data
for Domestic Well Samples

8834CTU096
08/22/90

Sample ID
Date

Analytes

Metals/Anions/General Chem

| | |
|----------------------------------|---------|
| Arsenic | < 2.35 |
| Cadmium | < 6.78 |
| Calcium | 2670 |
| Chloride | 2710 |
| Chromium | < 16.8 |
| Copper | < 18.8 |
| Cyanide | MA |
| Fluoride | 2890 |
| Iron | < 77.5 |
| Lead | < 43.4 |
| Magnesium | < 135 |
| Manganese | < 9.67 |
| Mercury | < 0.180 |
| Nitrite, Nitrate -- Non-Specific | 240 |
| Potassium | < 1240 |
| Sodium | 100000 |
| Sulfate | 9180 |
| Total Organic Carbon | < 1000 |

Notes: Values are reported in micrograms per liter.
Reported values are accurate to three significant figures.
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or above the Certified Reporting Limit.
> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.
MA -- Not Analyzed.
R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well SamplesB634CTU096
08/22/90Sample ID
Date

Analytes

Metals/Anions/General Chem

Zinc

< 18.0

Phenols

2,3,6-Trichlorophenol (GCMS)

< 1.70

2,4,5-Trichlorophenol (GCMS)

< 2.80

2,4,6-Trichlorophenol (GCMS)

< 3.60

2,4-Dichlorophenol (GCMS)

< 8.40

2,4-Dimethylphenol (GCMS)

< 4.40

2,4-Dinitrophenol (GCMS)

< 176

2-Chlorophenol (GCMS)

< 2.80

2-Methylphenol (GCMS)

< 3.60

2-Nitrophenol (GCMS)

< 8.20

3-Methyl-4-Chlorophenol (GCMS)

< 8.50

4-Methylphenol (GCMS)

< 2.80

4-Nitrophenol (GCMS)

< 96.0

Phenol (GCMS)

< 2.20

Semivolatiles

1,4-Dioxane

< 2.38

1,4-Dioxane (GCMS)

< 27.0

2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT)

< 0.0470

2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS)

< 18.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

id.

Table 85 Investigative Analytical Data
for Domestic Well Samples

8834CTU096

08/22/90

Sample ID
Date

Analytes

| | |
|-----------------------------------------------------------|----------|
| Semivolatiles | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) (GCMS) | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 |
| 4-Chlorophenylmethyl Sulfone | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 |
| Aldrin | < 0.0500 |
| Aldrin (GCMS) | < 13.0 |
| Atrazine | < 4.03 |
| Atrazine (GCMS) | < 5.90 |
| Benothiazole | < 5.00 |
| Bicyclo (2,2,1) hepta-2,5-diene | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | < 7.70 |
| Caprolactam (GCMS) | < 7.70 |
| Chlordane | < 0.0950 |
| Chlordane (GCMS) | < 37.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples8834CTUD096
08/22/90Sample ID
Date

Analytes

SemiVolatiles

| | |
|--------------------------------------|----------|
| Dicyclopentadiene | < 5.00 |
| Dicyclopentadiene (GCMS) | < 5.50 |
| Dieldrin | < 0.0500 |
| Dieldrin (GCMS) | < 26.0 |
| Diisopropyl Methylphosphonate | < 0.392 |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 |
| Dimethylmethyl Phosphonate | < 0.188 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 |
| Dithiane | < 1.34 |
| Dithiane (GCMS) | < 3.30 |
| Endrin | < 0.0500 |
| Endrin (GCMS) | < 18.0 |
| Hexachlorocyclopentadiene | < 0.0480 |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 |
| Isodrin | < 0.0510 |
| Isodrin (GCMS) | < 7.80 |
| Malathion | < 0.373 |
| Malathion (GCMS) | < 21.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

re-evaluated.

Table B5 Investigative Analytical Data
for Domestic Well SamplesB034CTU006
08/22/90Sample ID
Date

Analytes

| | |
|-----------------------------------|---------|
| Semivolatiles | |
| Parathion | < 0.647 |
| Parathion (GCMS) | < 37.0 |
| Pentachlorophenol (GCMS) | < 9.10 |
| Supona | < 0.787 |
| Supona (GCMS) | < 19.0 |
| Vapona | < 0.394 |
| Vapona (GCMS) | < 8.50 |
| Volatiles | |
| 1,1,1-Trichloroethane | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | < 1.00 |
| 1,1,2-Trichloroethane | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 |
| 1,1-Dichloroethane | < 0.730 |
| 1,1-Dichloroethane (GCMS) | < 1.00 |
| 1,1-Dichloroethene | < 1.70 |
| 1,1-Dichloroethene (GCMS) | < 1.00 |
| 1,2-Dichloroethane | < 1.10 |
| 1,2-Dichloroethane (GCMS) | < 1.00 |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B5 Investigative Analytical Data
for Domestic Well Samples8834CTU096
08/22/90Sample ID
Date

Analytes

| | |
|------------------------------------------|---------|
| Volatiles | |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 5.00 |
| Benzene | < 1.05 |
| Benzene (GCMS) | < 1.00 |
| Carbon Tetrachloride | < 0.990 |
| Carbon Tetrachloride (GCMS) | < 1.00 |
| Chlorobenzene | < 0.820 |
| Chlorobenzene (GCMS) | < 1.00 |
| Chloroform | < 0.500 |
| Chloroform (GCMS) | < 1.00 |
| Dibromochloropropane | < 0.195 |
| Dibromochloropropane (GCMS) | < 12.0 |
| Dimethyl Disulfide | < 0.550 |
| Ethyl Benzene | < 1.37 |
| Ethyl Benzene (GCMS) | < 1.00 |
| n-Xylene | < 1.32 |
| m-Xylene (GCMS) | < 1.00 |
| Methylene Chloride | < 7.40 |
| Methylene Chloride (GCMS) | < 1.00 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

re d.

Table B5 Investigative Analytical Data
for Domestic Well Samples

8834CTMD96
08/22/90

Sample ID
Date

Analytes

Volatiles

| | |
|------------------------------|---------|
| Methylisobutyl Ketone | < 4.90 |
| Methylisobutyl Ketone (GCMS) | < 1.40 |
| O,P-Xylene | < 1.36 |
| O,P-Xylene (GCMS) | < 2.00 |
| Tetrachloroethene | < 0.750 |
| Tetrachloroethene (GCMS) | < 1.00 |
| Toluene | < 1.47 |
| Toluene (GCMS) | < 1.00 |
| Trichloroethene | < 0.560 |
| Trichloroethene (GCMS) | < 1.00 |
| Vinyl Chloride (GCMS) | < 12.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table B6 GC/MS Analytical Data
for Domestic Well Samples

| Sample ID
Date | MA1150
01/26/90
GC/MS of
11841TU096 | MA1170
02/27/90
GC/MS of
10021TUPE0 |
|--------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Analytes | | |
| Phenols | | |
| 2,3,6-Trichlorophenol (GCMS) | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GCMS) | < 2.80 | < 2.80 |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | < 3.60 | < 3.60 |
| 2-Nitrophenol (GCMS) | < 8.20 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 | < 8.50 |
| 4-Methylphenol (GCMS) | < 2.80 | < 2.80 |
| 4-Nitrophenol (GCMS) | < 96.0 | < 96.0 |
| Phenol (GCMS) | < 2.20 | < 2.20 |
| Semivolatiles | | |
| 1,4-Dioxane (GCMS) | < 27.0 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | < 18.0 | < 18.0 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS) | < 14.0 | < 14.0 |

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B6 GC/MS Analytical Data
for Domestic Well Samples

| Sample ID
Date | MA1150
01/26/90
GC/MS of
11841TU096 | MA1170
02/27/90
GC/MS of
10821TU090 |
|---------------------------------------|----------------------------------------------|----------------------------------------------|
| Analytes | | |
| Semi-volatiles | | |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | < 10.0 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | < 5.30 |
| 4-Chlorophenylmethyl Sulfonide (GCMS) | < 15.0 | < 15.0 |
| Aldrin (GCMS) | < 13.0 | < 13.0 |
| Atrazine (GCMS) | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | < 7.70 | < 7.70 |
| Caproactam (GCMS) | < 10.0 | < 7.70 |
| Chlordane (GCMS) | < 37.6 | < 37.0 |
| Dicyclopentadiene (GCMS) | < 5.50 | < 5.50 |
| Dieldrin (GCMS) | < 26.0 | < 26.0 |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 | < 21.0 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 | < 130 |
| Dithiene (GCMS) | < 3.30 | < 3.30 |
| Endrin (GCMS) | < 18.0 | < 18.0 |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 | < 54.0 |
| Isodrin (GCMS) | < 7.80 | < 7.80 |

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table B6 GC/MS Analytical Data
for Domestic Well Samples

| | |
|------------|------------|
| MA1150 | MA1170 |
| 01/26/90 | 02/27/90 |
| GC/MS of | GC/MS of |
| 11841TU096 | 10821TUPE0 |

Sample ID
Date

Analytes

SemiVolatiles

| | | |
|--------------------------|--------|--------|
| Malathion (GCMS) | < 21.0 | < 21.0 |
| Parathion (GCMS) | < 37.0 | < 37.0 |
| Pentachlorophenol (GCMS) | < 9.10 | < 9.10 |
| Supona (GCMS) | < 19.0 | < 19.0 |
| Vapona (GCMS) | < 8.50 | < 8.50 |

Volatiles

| | | |
|------------------------------|--------|--------|
| 1,1,1-Trichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,2-Dichloroethane (GCMS) | < 1.00 | < 1.00 |

1,2-Dichloroethanes (cis & trans) (GCMS)

| | | |
|-----------------------------|--------|--------|
| Benzene (GCMS) | < 5.00 | < 5.00 |
| Carbon Tetrachloride (GCMS) | < 1.00 | < 1.00 |
| Chlorobenzene (GCMS) | < 1.00 | < 1.00 |
| Chloroform (GCMS) | < 1.00 | < 1.00 |

Dibromochloropropane (GCMS)

| | | |
|--|--------|--------|
| | < 12.0 | < 12.0 |
|--|--------|--------|

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B6 GC/MS Analytical Data
for Domestic Well Samples

| Sample ID | MA1150 | MA1170 |
|-------------------------------|------------------------|------------------------|
| Date | 01/26/90 | 02/27/90 |
| Analytes | GC/MS of
11061TUD96 | GC/MS of
10021TUD90 |
| <hr/> | | |
| Volatiles | | |
| Ethyl Benzene (GCMS) | < 1.00 | < 1.00 |
| m-Xylene (GCMS) | < 1.00 | < 1.00 |
| Methylene Chloride (GCMS) | < 1.00 | < 1.00 |
| Methyl isobutyl Ketone (GCMS) | < 1.40 | < 1.40 |
| O,p-Xylene (GCMS) | < 2.00 | < 2.00 |
| Tetrachloroethene (GCMS) | < 1.00 | < 1.00 |
| Toluene (GCMS) | < 1.00 | < 1.00 |
| Trichloroethene (GCMS) | < 1.00 | < 1.00 |
| Vinyl Chloride (GCMS) | < 12.0 | < 12.0 |

Notes: Values are reported in micrograms per liter.
 Values are reported to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were

Table B7 OA/QC Analytical Data
for Domestic Well Samples

Sample ID RA1151
Date 01/26/90
TB of 11841TU096

Analytes

Volatiles

1,1,1-Trichloroethane < 0.760
1,1,2-Trichloroethane < 0.780
1,1-Dichloroethane < 0.730
1,1-Dichloroethene < 1.70
1,2-Dichloroethane < 1.10

1,2-Dichloroethenes (cis & trans)

Benzene < 0.760
Carbon Tetrachloride < 1.05
Chlorobenzene < 0.990
Chloroform < 0.820
< 0.500

Ethyl Benzene

m-Xylene < 1.37
m-Xylene < 1.32
Methylene Chloride < 7.40
o,p-Xylene < 1.36
Tetrachloroethene < 0.750

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

TB -- Trip Blank

Table B7 OA/QC Analytical Data
for Domestic Well Samples

MA1151
01/26/90
1B of
11841TU096

Sample ID
Date

Analytes

Volatiles
Toluene
Trichloroethene

< 1.47
< 0.560

Notes: Values are reported in micrograms per liter.
Values are reported to three significant figures.
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or above the Certified Reporting Limit.
> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.
NA -- Not Analyzed.
R -- Data did not meet quality control criteria and were
rejected.
-- T. -- tank

Table 88 Duplicate Analytical Data
for Domestic Well Samples

| Sample ID
Date | MA1030
01/17/89
Dup of
13350TV104 | MA1031
01/31/89
Dup of
11830TV112 | MA1068
12/28/89
Dup of
10720TV081 | MA1149
01/26/90
Dup of
11841TV096 | MA1271
08/21/90
Dup of
11841TV096 |
|----------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | | | | |
| Metals/Anions/General Chem | | | | | |
| Arsenic | < 2.35 | < 2.35 | < 2.35 | < 2.35 | < 2.35 |
| Cadmium | < 8.40 | < 8.40 | < 6.78 | < 6.78 | < 6.78 |
| Calcium | 84200 | 110000 | 134000 | 1460 | 1300 |
| Chloride | 69000 | 86000 | 140000 | R | 3420 |
| Chromium | < 24.0 | < 24.0 | < 16.8 | < 16.8 | < 16.8 |
| Copper | < 26.0 | < 26.0 | < 18.8 | < 18.8 | < 18.8 |
| Cyanide | < 5.00 | 10.2 | < 5.00 | < 5.00 | < 8.90 |
| Fluoride | 1500 | 1520 | 1890 | R | 2910 |
| Iron | MA | MA | MA | MA | < 77.5 |
| Lead | < 74.0 | < 74.0 | < 43.4 | < 43.4 | < 43.4 |
| Magnesium | 9110 | 31100 | 32000 | < 135 | < 135 |
| Manganese | MA | MA | MA | MA | < 9.67 |
| Mercury | < 0.100 | < 0.100 | < 0.100 | < 0.100 | < 0.100 |
| Nitrite, Nitrate -- Non-Specific | 290 | 3500 | 7400 | 37.7 | 140 |
| Potassium | 1030 | 4530 | 3330 | < 1240 | < 1240 |
| Sodium | 200000 | 80600 | 160000 | 100000 | 93000 |

Notes: Values are reported in micrograms per liter.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B8 Duplicate Analytical Data
for Domestic Well Samples

| Sample ID
Date | MA1030
01/17/89
Dup of
13350TW06 | MA1031
01/31/89
Dup of
11830TW12 | MA1068
12/28/89
Dup of
10720TW01 | MA1149
01/26/90
Dup of
11841TW06 | MA1271
08/21/90
Dup of
11841TW06 |
|--------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Analytes | | | | | |
| Metals/Anions/General Chem | | | | | |
| Sulfate | 320000 | 200000 | 290000 | R | 21000 |
| Total Organic Carbon | MA | MA | 600 | < 1000 | < 1000 |
| Zinc | 24.6 | < 22.0 | 51.3 | < 18.0 | < 18.0 |
| Phenols | | | | | |
| 2,3,6-Trichlorophenol (GCMS) | < 1.70 | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GCMS) | MA | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 | < 3.60 | < 3.60 | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | < 8.40 | < 8.40 | < 8.40 | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | < 4.40 | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | < 176 | < 176 | < 176 | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | < 2.80 | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | < 3.60 | < 3.60 | < 3.60 | < 3.60 | < 3.60 |
| 2-Nitrophenol (GCMS) | < 8.20 | < 8.20 | < 8.20 | < 8.20 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 | < 8.50 | < 8.50 | < 8.50 | < 8.50 |
| 4-Methylphenol (GCMS) | < 2.80 | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 4-Nitrophenol (GCMS) | < 96.0 | < 96.0 | < 96.0 | < 96.0 | < 96.0 |
| Phenol (GCMS) | < 2.20 | < 2.20 | < 2.20 | < 2.20 | < 2.20 |

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

nd.

Table B8 Duplicate Analytical Data
for Domestic Well Samples

| Sample ID
Date | MA1030
01/17/89
Dup of
13350TW104 | MA1031
01/31/89
Dup of
11830TW112 | MA1068
12/28/89
Dup of
10720TW881 | MA1149
01/26/90
Dup of
11841TW096 | MA1271
08/21/90
Dup of
11841TW096 |
|--------------------------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | | | | |
| Semivolatiles | | | | | |
| 1,4-Oxathiane | < 2.38 | < 2.38 | < 2.38 | < 2.38 | < 2.38 |
| 1,4-Oxathiane (GCMS) | < 27.0 | < 27.0 | < 27.0 | < 27.0 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.0490 | < 0.0490 | < 0.0490 | < 0.0490 | < 0.0490 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | < 18.0 | < 18.0 | < 18.0 | < 18.0 | < 18.0 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) | < 0.0540 | < 0.0540 | < 0.0540 | < 0.0540 | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS) | < 14.0 | < 14.0 | < 14.0 | < 14.0 | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 5.69 | < 5.69 | < 5.69 | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 7.46 | < 7.46 | < 7.46 | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | < 5.30 | < 5.30 | < 5.30 | < 5.30 |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 | < 11.5 | < 11.5 | < 11.5 | < 11.5 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 | < 15.0 | < 15.0 | < 15.0 | < 15.0 |
| Aldrin | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Aldrin (GCMS) | < 13.0 | < 13.0 | < 13.0 | < 13.0 | < 13.0 |
| Atrazine | < 4.03 | < 4.03 | < 4.03 | < 4.03 | < 4.03 |
| Atrazine (GCMS) | < 5.90 | < 5.90 | < 5.90 | < 5.90 | < 5.90 |

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table 88 Duplicate Analytical Data
for Domestic Well Samples

| Sample ID
Date | HA1030
01/17/89
Dup of
13350TW104 | HA1031
01/31/89
Dup of
11830TW112 | HA1068
12/28/89
Dup of
10720TW881 | HA1149
01/26/90
Dup of
11841TU096 | HA1271
08/21/90
Dup of
11841TU096 |
|--------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | | | | |
| Semivolatiles | | | | | |
| Benzothiazole | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 | < 5.90 | < 5.90 | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | MA | MA | < 7.70 | < 7.70 | < 7.70 |
| Caprolactam (GCMS) | MA | MA | < 7.70 | < 10.0 | < 7.70 |
| Chlordane | < 0.0950 | < 0.0950 | < 0.0950 | < 0.0950 | < 0.0950 |
| Chlordane (GCMS) | < 37.0 | < 37.0 | < 37.0 | < 37.0 | < 37.0 |
| Dicyclopentadiene | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Dicyclopentadiene (GCMS) | < 5.50 | < 5.50 | < 5.50 | < 5.50 | < 5.50 |
| Dieldrin | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Dieldrin (GCMS) | < 26.0 | < 26.0 | < 26.0 | < 26.0 | < 26.0 |
| Diisopropyl Methylphosphonate | 18.9 | 5.61 | 79.0 | < 0.392 | < 0.392 |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 | < 21.0 | 77.4 | < 21.0 | < 21.0 |
| Dimethylmethyl Phosphonate | < 0.188 | 0.253 | < 0.188 | < 0.188 | < 0.188 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 | < 130 | < 130 | < 130 | < 130 |
| Dithiane | < 1.34 | < 1.34 | < 1.34 | < 1.34 | < 1.34 |
| Dithiane (GCMS) | < 3.30 | < 3.30 | < 3.30 | < 3.30 | < 3.30 |

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

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or above the Certified Reporting Limit.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table B8 Duplicate Analytical Data
for Domestic Well Samples

| Sample ID
Date | HA1030
01/17/89
Dup of
133501V104 | HA1031
01/31/89
Dup of
118301V112 | HA1068
12/28/89
Dup of
107201V881 | HA1149
01/26/90
Dup of
118411V096 | HA1271
08/21/90
Dup of
118411V096 |
|----------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | | | | |
| Semivolatiles | | | | | |
| Endrin | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Endrin (GCMS) | < 18.0 | < 18.0 | < 18.0 | < 18.0 | < 18.0 |
| Hexachlorocyclopentadiene | < 0.0480 | < 0.0480 | < 0.0480 | < 0.0480 | < 0.0480 |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 | < 54.0 | < 54.0 | < 54.0 | < 54.0 |
| Isodrin | < 0.0510 | < 0.0510 | < 0.0510 | < 0.0510 | < 0.0510 |
| Isodrin (GCMS) | < 7.80 | < 7.80 | < 7.80 | < 7.80 | < 7.80 |
| Malathion | < 0.373 | < 0.373 | < 0.373 | < 0.373 | < 0.373 |
| Malathion (GCMS) | < 21.0 | < 21.0 | < 21.0 | < 21.0 | < 21.0 |
| Parathion | < 0.647 | < 0.647 | < 0.647 | < 0.647 | < 0.647 |
| Parathion (GCMS) | < 37.0 | < 37.0 | < 37.0 | < 37.0 | < 37.0 |
| Pentachlorophenol (GCMS) | < 9.10 | < 9.10 | < 9.10 | < 9.10 | < 9.10 |
| Supona | < 0.787 | < 0.787 | < 0.787 | < 0.787 | < 0.787 |
| Supona (GCMS) | < 19.0 | < 19.0 | < 19.0 | < 19.0 | < 19.0 |
| Vapona | < 0.384 | < 0.384 | < 0.384 | < 0.384 | < 0.384 |
| Vapona (GCMS) | < 8.50 | < 8.50 | < 8.50 | < 8.50 | < 8.50 |
| Volatiles | | | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | 3.26 | < 0.760 | < 0.760 |

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table 88 Duplicate Analytical Data
for Domestic Well Samples

| Sample ID
Date | MA1030
01/17/89
Dup of
13350TW104 | MA1031
01/31/89
Dup of
11830TW112 | MA1068
12/28/89
Dup of
10720TW881 | MA1149
01/26/90
Dup of
11841TW096 | MA1271
08/21/90
Dup of
11841TW096 |
|------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | | | | |
| Volatiles | MA | MA | MA | < 1.00 | < 1.00 |
| 1,1,1-Trichloroethane (GCMS) | < 0.780 | < 0.780 | < 0.780 | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane | MA | MA | MA | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane (GCMS) | < 0.730 | < 0.730 | < 0.730 | < 0.730 | < 0.730 |
| 1,1-Dichloroethane | MA | MA | MA | < 1.00 | < 1.00 |
| 1,1-Dichloroethane (GCMS) | | | | | |
| 1,1-Dichloroethene | < 1.70 | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 1,1-Dichloroethene (GCMS) | MA | MA | MA | < 1.00 | < 1.00 |
| 1,2-Dichloroethane | < 1.10 | < 1.10 | < 1.10 | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | < 1.00 | < 1.00 |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 | < 0.760 | < 0.760 | < 0.760 |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | | | | | |
| Benzene | MA | MA | MA | < 5.00 | < 5.00 |
| Benzene (GCMS) | < 1.05 | < 1.05 | < 1.05 | < 1.05 | < 1.05 |
| Carbon Tetrachloride | MA | MA | MA | < 1.00 | < 1.00 |
| Carbon Tetrachloride (GCMS) | < 0.990 | < 0.990 | < 0.990 | < 0.990 | < 0.990 |
| Chlorobenzene | MA | MA | MA | < 1.00 | < 1.00 |
| | < 0.820 | < 0.820 | < 0.820 | < 0.820 | < 0.820 |

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R --- Data did not meet quality control criteria and were

ad.

Table B8 Duplicate Analytical Data
for Domestic Well Samples

| Sample ID
Date | MA1030
01/17/89
Dup of
13350TU104 | MA1031
01/31/89
Dup of
11830TU112 | MA1068
12/28/89
Dup of
10720TU821 | MA1149
01/26/90
Dup of
11841TU096 | MA1271
08/21/90
Dup of
11841TU096 |
|------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | | | | |
| Volatiles | | | | | |
| Chlorobenzene (GCMS) | MA
< 0.500 | MA
< 0.500 | MA
0.962 | < 1.00
< 0.500 | < 1.00
< 0.500 |
| Chloroform | MA | MA | MA | < 1.00 | < 1.00 |
| Chloroform (GCMS) | < 0.195 | < 0.195 | < 0.195 | < 0.195 | < 0.195 |
| Dibromochloropropane | < 12.0 | < 12.0 | < 12.0 | < 12.0 | < 12.0 |
| Dibromochloropropane (GCMS) | | | | | |
| Dimethyl Disulfide | < 0.550 | < 0.550 | < 0.550 | < 0.550 | < 0.550 |
| Ethyl Benzene | < 1.37 | < 1.37 | < 1.37 | < 1.37 | < 1.37 |
| Ethyl Benzene (GCMS) | MA | MA | MA | < 1.00 | < 1.00 |
| n-Xylene | < 1.32 | < 1.32 | < 1.32 | < 1.32 | < 1.32 |
| n-Xylene (GCMS) | MA | MA | MA | < 1.00 | < 1.00 |
| Methylene Chloride | < 7.40 | < 7.40 | < 7.40 | < 7.40 | < 7.40 |
| Methylene Chloride (GCMS) | MA | MA | MA | < 1.00 | < 1.00 |
| Methylisobutyl Ketone | < 4.90 | < 4.90 | < 4.90 | < 4.90 | < 4.90 |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | < 1.40 | < 1.40 |
| o,p-Xylene | < 1.36 | < 1.36 | < 1.36 | < 1.36 | < 1.36 |
| o,p-Xylene (GCMS) | MA | MA | MA | < 2.00 | < 2.00 |

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

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or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table B8 Duplicate Analytical Data
for Domestic Well Samples

| Sample ID
Date | MA1030
01/17/89
Dup of
13350TU104 | MA1031
01/31/89
Dup of
11830TU112 | MA1068
12/28/89
Dup of
10720TU881 | MA1149
01/26/90
Dup of
11841TU096 | MA1271
08/21/90
Dup of
11841TU096 |
|--------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | | | | |
| Volatiles | | | | | |
| Tetrachloroethene | < 0.750 | < 0.750 | < 0.750 | < 0.750 | < 0.750 |
| Tetrachloroethene (GCMS) | MA | MA | MA | < 1.00 | < 1.00 |
| Toluene | < 1.47 | < 1.47 | < 1.47 | < 1.47 | < 1.47 |
| Toluene (GCMS) | MA | MA | MA | < 1.00 | < 1.00 |
| Trichloroethene | < 0.560 | < 0.560 | < 0.560 | < 0.560 | < 0.560 |
| Trichloroethene (GCMS) | MA | MA | MA | < 1.00 | < 1.00 |
| Vinyl Chloride (GCMS) | MA | MA | MA | < 12.0 | < 12.0 |

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

LIST OF TABLES

Table No.

| | |
|----|---------------------------------------------|
| C1 | Surface-Water Investigative Analytical Data |
| C2 | Surface-Water GC/MS Analytical Data |
| C3 | Surface-Water Duplicate Analytical Data |

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0971SU
11/11/88 | MA0973SU
11/11/88 | MA0977SU
11/15/88 | MA0978SU
11/15/88 | MA0979SU
11/15/88 |
|-----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Metals/Anions/General Chem | | | | | |
| Arsenic | 280 | < 2.35 | 4.55 | 4.31 | 5.27 |
| Cadmium | < 8.40 | < 8.40 | < 8.40 | < 8.40 | < 8.40 |
| Calcium | 790000 | 190000 | 150000 | 160000 | 160000 |
| Chloride | 530000 | 320000 | 280000 | 300000 | 310000 |
| Chromium | < 24.0 | < 24.0 | < 24.0 | < 24.0 | < 24.0 |
| Copper | < 26.0 | < 26.0 | < 26.0 | < 26.0 | < 26.0 |
| Cyanide | 12.3 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Fluoride | 6360 | 3960 | 3740 | 3810 | 4590 |
| Lead | < 74.0 | < 74.0 | < 74.0 | < 74.0 | < 74.0 |
| Magnesium | 180000 | 78500 | 66700 | 68900 | 70200 |
| Mercury | < 0.100 | < 0.100 | < 0.100 | < 0.100 | < 0.100 |
| Nitrite, Nitrate -- Non-Specific | 5000 | 2600 | 3000 | 3300 | 1900 |
| Potassium | 8570 | 4290 | 4530 | 4140 | 4740 |
| Sodium | 510000 | 290000 | 230000 | 240000 | 240000 |
| Sulfate | 1500000 | 480000 | 410000 | 440000 | 430000 |
| Total Organic Carbon | MA | MA | MA | MA | MA |
| Zinc | 93.3 | 33.6 | < 22.0 | < 22.0 | < 22.0 |
| Phenols | | | | | |
| 2,3,6-Trichlorophenol (GDMS) | MA | MA | MA | MA | MA |
| 2,4,5-Trichlorophenol (GDMS) | MA | MA | MA | MA | MA |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface Water Investigative Analytical Data

| Sample ID
Date | MA0971SU
11/11/88 | MA0973SU
11/11/88 | MA0977SU
11/15/88 | MA0978SU
11/15/88 | MA0979SU
11/15/88 |
|--------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Phenols | | | | | |
| 2,4,6-Trichlorophenol (GCMS) | MA | MA | MA | MA | MA |
| 2,4-Dichlorophenol (GCMS) | MA | MA | MA | MA | MA |
| 2,4-Dimethylphenol (GCMS) | MA | MA | MA | MA | MA |
| 2,4-Dinitrophenol (GCMS) | MA | MA | MA | MA | MA |
| 2-Chlorophenol (GCMS) | MA | MA | MA | MA | MA |
| 2-Methylphenol (GCMS) | MA | MA | MA | MA | MA |
| 2-Nitrophenol (GCMS) | MA | MA | MA | MA | MA |
| 3-Methyl-4-Chlorophenol (GCMS) | MA | MA | MA | MA | MA |
| 4-Methylphenol (GCMS) | MA | MA | MA | MA | MA |
| 4-Nitrophenol (GCMS) | MA | MA | MA | MA | MA |
| Phenol (GCMS) | MA | MA | MA | MA | MA |
| Semivolatiles | | | | | |
| 1,4-Oxathiane | < 2.38 | < 2.38 | < 2.38 | < 2.38 | < 2.38 |
| 1,4-Oxathiane (GCMS) | < 7.90 | < 7.90 | < 7.90 | < 7.90 | < 7.90 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) | < 0.0690 | < 0.0690 | < 0.0690 | < 0.0690 | < 0.0690 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) (GCMS) | < 9.20 | < 9.20 | < 9.20 | < 9.20 | < 9.20 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (D06) | < 0.0540 | < 0.0540 | < 0.0540 | < 0.0540 | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (D06) (GCMS) | < 6.10 | < 6.10 | < 6.10 | < 6.10 | < 6.10 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 5.69 | < 5.69 | < 5.69 | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 17.0 | < 17.0 | < 17.0 | < 17.0 | < 17.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were red.

Table C1 Surface Water Investigative Analytical Data

| Sample ID
Date | MA0971SU
11/11/88 | MA0973SU
11/11/88 | MA0977SU
11/15/88 | MA0978SU
11/15/88 | MA0979SU
11/15/88 |
|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Semivolatiles | | | | | |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 7.46 | 19.4 | < 7.46 | 170 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 7.20 | < 7.20 | < 7.20 | < 7.20 | < 7.20 |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 | < 11.5 | < 11.5 | < 11.5 | 120 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 29.0 | < 29.0 | < 29.0 | < 29.0 | < 29.0 |
| Aldrin | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Aldrin (GCMS) | < 7.50 | < 7.50 | < 7.50 | < 7.50 | < 7.50 |
| Atrazine | < 4.03 | < 4.03 | < 4.03 | < 4.03 | < 4.03 |
| Atrazine (GCMS) | < 5.60 | < 5.60 | < 5.60 | < 5.60 | < 5.60 |
| Benzothiazole | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 | < 5.90 | < 5.90 | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | MA | MA | MA | MA | MA |
| Caprolactam (GCMS) | MA | MA | MA | MA | MA |
| Chlordane | < 0.0950 | < 0.0950 | < 0.0950 | < 0.0950 | < 0.0950 |
| Chlordane (GCMS) | < 9.40 | < 9.40 | < 9.40 | < 9.40 | < 9.40 |
| Dicyclopentadiene | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Dicyclopentadiene (GCMS) | < 7.30 | < 7.30 | < 7.30 | < 7.30 | < 7.30 |
| Dieldrin | < 0.0500 | 0.147 | < 0.0500 | < 0.0500 | 0.0764 |
| Dieldrin (GCMS) | < 4.70 | < 4.70 | < 4.70 | < 4.70 | < 4.70 |
| Diisopropyl Methylphosphonate | 4.92 | 5.90 | 6.11 | 5.47 | 4.76 |

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Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0971SU
11/11/88 | MA0973SU
11/11/88 | MA0977SU
11/15/88 | MA0978SU
11/15/88 | MA0979SU
11/15/88 |
|--------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Semivolatiles | | | | | |
| Diisopropyl Methylphosphonate (GDMS) | < 14.0 | < 14.0 | < 14.0 | < 14.0 | < 14.0 |
| Dimethylmethyl Phosphonate | 0.227 | 0.238 | 0.257 | 0.289 | 0.251 |
| Dimethylmethyl Phosphonate (GDMS) | < 33.0 | < 33.0 | < 33.0 | < 33.0 | < 33.0 |
| Dithiane | < 1.34 | < 1.34 | < 1.34 | < 1.34 | < 1.34 |
| Dithiane (GDMS) | < 21.0 | < 21.0 | 44.2 | < 21.0 | < 21.0 |
| Endrin | MA | MA | MA | MA | MA |
| Endrin (GDMS) | < 8.00 | < 8.00 | < 8.00 | < 8.00 | < 8.00 |
| Hexachlorocyclopentadiene | < 0.0480 | < 0.0480 | < 0.0480 | < 0.0480 | < 0.0480 |
| Hexachlorocyclopentadiene (GDMS) | < 21.0 | < 21.0 | < 21.0 | < 21.0 | < 21.0 |
| Isodrin | < 0.0510 | < 0.0510 | < 0.0510 | < 0.0510 | < 0.0510 |
| Isodrin (GDMS) | < 3.70 | < 3.70 | < 3.70 | < 3.70 | < 3.70 |
| Malathion | < 0.373 | < 0.373 | < 0.373 | < 0.373 | < 0.373 |
| Malathion (GDMS) | < 14.0 | < 14.0 | < 14.0 | < 14.0 | < 14.0 |
| Parathion | < 0.647 | < 0.647 | < 0.647 | < 0.647 | < 0.647 |
| Parathion (GDMS) | < 19.0 | < 19.0 | < 19.0 | < 19.0 | < 19.0 |
| Pentachlorophenol (GDMS) | MA | MA | MA | MA | MA |
| Supona | R | R | R | R | R |
| Supona (GDMS) | < 9.30 | < 9.30 | < 9.30 | < 9.30 | < 9.30 |
| Vapona | < 0.304 | < 0.304 | < 0.304 | < 0.304 | < 0.304 |

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rd.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0971SU
11/11/88 | MA0973SU
11/11/88 | MA0977SU
11/15/88 | MA0978SU
11/15/88 | MA0979SU
11/15/88 |
|------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Semivolatiles
Vapors (GCMS) | < 17.0 | < 17.0 | < 17.0 | < 17.0 | < 17.0 |
| Volatiles | | | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | < 0.760 | < 0.760 | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 | < 0.780 | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethane | < 0.730 | < 0.730 | < 0.730 | < 0.730 | < 0.730 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethene | < 1.70 | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 1,1-Dichloroethene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethane | < 1.10 | < 1.10 | < 1.10 | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 | < 0.760 | < 0.760 | < 0.760 |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Benzene | < 1.05 | < 1.05 | < 1.05 | < 1.05 | < 1.05 |
| Benzene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Carbon Tetrachloride | < 0.990 | < 0.990 | < 0.990 | < 0.990 | < 0.990 |
| Carbon Tetrachloride (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chlorobenzene | < 0.820 | < 0.820 | < 0.820 | < 0.820 | < 0.820 |
| Chlorobenzene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per liter.

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NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0971SU
11/11/88 | MA0973SU
11/11/88 | MA0977SU
11/15/88 | MA0978SU
11/15/88 | MA0979SU
11/15/88 |
|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Volatiles | | | | | |
| Chloroform | < 0.500 | < 0.500 | < 0.500 | 0.599 | < 0.500 |
| Chloroform (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dibromochloropropane | < 0.195 | < 0.195 | < 0.195 | < 0.195 | < 0.195 |
| Dibromochloropropane (GDMS) | < 19.0 | < 19.0 | < 19.0 | < 19.0 | < 19.0 |
| Dimethyl Disulfide | < 0.550 | < 0.550 | < 0.550 | < 0.550 | < 0.550 |
| Ethyl Benzene | < 1.37 | < 1.37 | < 1.37 | < 1.37 | < 1.37 |
| Ethyl Benzene (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| m-Xylene | < 1.32 | < 1.32 | < 1.32 | < 1.32 | < 1.32 |
| m-Xylene (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methylene Chloride | < 7.40 | < 7.40 | < 7.40 | < 7.40 | < 7.40 |
| Methylene Chloride (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methylisobutyl Ketone | < 4.90 | < 4.90 | < 4.90 | < 4.90 | < 4.90 |
| Methylisobutyl Ketone (GDMS) | < 1.40 | < 1.40 | < 1.40 | < 1.40 | < 1.40 |
| O,p-Xylene | < 1.36 | < 1.36 | < 1.36 | < 1.36 | < 1.36 |
| O,p-Xylene (GDMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Tetrachloroethene | < 0.750 | < 0.750 | < 0.750 | < 0.750 | < 0.750 |
| Tetrachloroethene (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Toluene | < 1.47 | < 1.47 | < 1.47 | < 1.47 | < 1.47 |
| Toluene (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- Indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were red.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0971SU
11/11/88 | MA0973SU
11/11/88 | MA0977SU
11/15/88 | MA0978SU
11/15/88 | MA0979SU
11/15/88 |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Volatiles | | | | | |
| Trichloroethene | < 0.560 | < 0.560 | < 0.560 | < 0.560 | < 0.560 |
| Trichloroethene (GOMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Vinyl Chloride (GOMS) | < 12.0 | < 12.0 | < 12.0 | < 12.0 | < 12.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0980SU
11/18/88 | MA1154SU
05/17/90 | MA1156SU
05/17/90 | MA1158SU
05/15/90 | MA1160SU
05/11/90 |
|-----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Metals/Anions/General Chem | | | | | |
| Arsenic | 20.9 | 2.78 | < 2.35 | < 2.35 | < 2.35 |
| Cadmium | < 8.40 | < 6.78 | < 6.78 | < 6.78 | < 6.78 |
| Calcium | 40000 | 87700 | 55500 | 61200 | 58800 |
| Chloride | 200000 | 140000 | 40000 | 40000 | 38000 |
| Chromium | < 24.0 | < 16.8 | < 16.8 | < 16.8 | < 16.8 |
| Copper | < 26.0 | < 18.8 | < 18.8 | < 18.8 | < 18.8 |
| Cyanide | < 5.00 | R | R | R | R |
| Fluoride | 4690 | 2330 | 976 | 1060 | 867 |
| Lead | < 74.0 | < 43.4 | < 43.4 | < 43.4 | < 43.4 |
| Magnesium | 28600 | 44700 | 12500 | 13800 | 11200 |
| Mercury | < 0.100 | 0.393 | 0.508 | 0.303 | 0.321 |
| Nitrite, Nitrate -- Non-Specific | 108 | < 10.0 | 1800 | 1800 | 2800 |
| Potassium | 5230 | 4330 | 4210 | 4220 | 3420 |
| Sodium | 220000 | 210000 | 49700 | 50500 | 45100 |
| Sulfate | 3900 | 360000 | 130000 | 110000 | 100000 |
| Total Organic Carbon | MA | 7470 | 5190 | 3620 | 4800 |
| Zinc | < 22.0 | < 18.0 | < 18.0 | < 18.0 | < 18.0 |
| Phenols | | | | | |
| 2,3,6-Trichlorophenol (GC/MS) | MA | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GC/MS) | MA | < 2.80 | < 2.80 | < 2.80 | < 2.80 |

Notes: Values are reported in micrograms per liter.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were red.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0980SM
11/18/88 | MA1154SM
05/17/90 | MA1156SM
05/17/90 | MA1158SM
05/15/90 | MA1160SM
05/11/90 |
|--------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Phenols | | | | | |
| 2,4,6-Trichlorophenol (GCMS) | MA | < 3.60 | < 3.60 | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | MA | < 8.40 | < 8.40 | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | MA | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | MA | < 176 | < 176 | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | MA | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | MA | < 3.60 | < 3.60 | < 3.60 | < 3.60 |
| 2-Nitrophenol (GCMS) | MA | < 8.20 | < 8.20 | < 8.20 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | MA | < 8.50 | < 8.50 | < 8.50 | < 8.50 |
| 4-Methylphenol (GCMS) | MA | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 4-Nitrophenol (GCMS) | MA | < 96.0 | < 96.0 | < 96.0 | < 96.0 |
| Phenol (GCMS) | MA | < 2.20 | < 2.20 | < 2.20 | < 2.20 |
| Semivolatiles | | | | | |
| 1,4-Oxathiane | < 2.38 | < 2.38 | < 2.38 | < 2.38 | < 2.38 |
| 1,4-Oxathiane (GCMS) | MA | < 27.0 | < 27.0 | < 27.0 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.490 | < 0.0490 | < 0.0490 | 0.184 | < 0.0490 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | MA | < 18.0 | < 18.0 | < 18.0 | < 18.0 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) | < 0.540 | < 0.0540 | < 0.0540 | 0.309 | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GCMS) | MA | < 14.0 | < 14.0 | < 14.0 | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 5.69 | < 5.69 | < 5.69 | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | MA | < 10.0 | < 10.0 | < 10.0 | < 10.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID | MA098DSU | MA1154SU | MA1156SU | MA1158SU | MA1160SU |
|--------------------------------------------|----------|----------|----------|----------|----------|
| Date | 11/18/88 | 05/17/90 | 05/17/90 | 05/15/90 | 05/11/90 |
| Analytes | | | | | |
| Semivolatiles | | | | | |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 7.46 | < 7.46 | < 7.46 | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | MA | < 5.30 | < 5.30 | < 5.30 | < 5.30 |
| 4-Chlorophenylmethyl Sulfonide | < 11.5 | < 11.5 | < 11.5 | < 11.5 | < 11.5 |
| 4-Chlorophenylmethyl Sulfonide (GCMS) | MA | < 15.0 | < 15.0 | < 15.0 | < 15.0 |
| Aldrin | < 0.500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Aldrin (GCMS) | | | | | |
| Atrazine | MA | < 13.0 | < 13.0 | < 13.0 | < 13.0 |
| Atrazine (GCMS) | < 4.03 | 6.80 | < 4.03 | < 4.03 | < 4.03 |
| Benothiazole | MA | < 5.90 | < 5.90 | < 5.90 | < 5.90 |
| Bicyclo (2,2,1) hepta-2,5-diene | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| | MA | < 5.90 | < 5.90 | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | | | | | |
| Caprolactam (GCMS) | MA | 22.0 | < 7.70 | < 7.70 | < 7.70 |
| Chlordane | MA | < 10.0 | < 10.0 | < 10.0 | < 10.0 |
| Chlordane (GCMS) | < 0.950 | 0.308 | < 0.0950 | < 0.0950 | < 0.0950 |
| Dicyclopentadiene | MA | < 37.0 | < 37.0 | < 37.0 | < 37.0 |
| | MA | R | < 5.00 | < 5.00 | < 5.00 |
| Dicyclopentadiene (GCMS) | | | | | |
| Dieldrin | MA | 7.43 | < 5.50 | < 5.50 | < 5.50 |
| Dieldrin (GCMS) | < 0.500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Disopropyl Methylphosphonate | MA | < 26.0 | < 26.0 | < 26.0 | < 26.0 |
| | 13.1 | 59.0 | 2.91 | 0.532 | < 0.392 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table C1 Surface-Water Investigative Analytical Data

| Sample ID | MA0980SU | MA1154SU | MA1156SU | MA1158SU | MA1160SU |
|--------------------------------------|----------|----------|----------|----------|----------|
| Date | 11/18/88 | 05/17/90 | 05/17/90 | 05/15/90 | 05/11/90 |
| Analytes | | | | | |
| Semivolatiles | | 39.6 | < 21.0 | < 21.0 | < 21.0 |
| Diisopropyl Methylphosphonate (GDMS) | MA | | | | < 0.188 |
| Dimethylmethyl Phosphonate | 4.92 | < 0.188 | < 0.188 | < 0.188 | < 130 |
| Dimethylmethyl Phosphonate (GDMS) | MA | < 130 | < 130 | < 130 | < 1.34 |
| Dithiane | < 1.34 | < 1.34 | < 1.34 | < 1.34 | < 3.30 |
| Dithiane (GDMS) | MA | < 3.30 | < 3.30 | < 3.30 | < 0.0500 |
| Endrin | < 0.500 | < 0.0500 | < 0.0500 | < 0.0500 | < 18.0 |
| Endrin (GDMS) | MA | < 18.0 | < 18.0 | < 18.0 | R |
| Hexachlorocyclopentadiene | < 0.480 | < 0.0480 | < 0.0480 | < 0.0480 | < 54.0 |
| Hexachlorocyclopentadiene (GDMS) | MA | < 54.0 | < 54.0 | < 54.0 | < 0.0510 |
| Isodrin | < 0.510 | < 0.0510 | < 0.0510 | < 0.0510 | < 7.80 |
| Iso-drin (GDMS) | MA | < 7.80 | < 7.80 | < 7.80 | < 0.373 |
| Malathion | < 0.373 | < 0.373 | < 0.373 | < 0.373 | < 21.0 |
| Malathion (GDMS) | MA | < 21.0 | < 21.0 | < 21.0 | < 0.647 |
| Parathion | < 0.647 | < 0.647 | < 0.647 | < 0.647 | < 37.0 |
| Parathion (GDMS) | MA | < 37.0 | < 37.0 | < 37.0 | < 9.10 |
| Pentachlorophenol (GDMS) | MA | < 9.10 | < 9.10 | < 9.10 | < 0.787 |
| Supona | < 0.787 | < 0.787 | < 0.787 | < 0.787 | < 19.0 |
| Supona (GDMS) | MA | < 19.0 | < 19.0 | < 19.0 | < 0.384 |
| Vapona | < 0.384 | < 0.384 | < 0.384 | < 0.384 | |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0900SU
11/18/88 | MA1154SU
05/17/90 | MA1156SU
05/17/90 | MA1158SU
05/15/90 | MA1160SU
05/11/90 |
|------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Semivolatiles | | | | | |
| Vapors (GCMS) | MA | < 8.50 | < 8.50 | < 8.50 | < 8.50 |
| Volatiles | | | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | < 0.760 | < 0.760 | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 | < 0.780 | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethane | < 0.730 | < 0.730 | < 0.730 | < 0.730 | < 0.730 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethane | < 1.70 | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethane | < 1.10 | < 1.10 | < 1.10 | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 | < 0.760 | < 0.760 | < 0.760 |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Benzene | < 1.05 | < 1.05 | < 1.05 | < 1.05 | < 1.05 |
| Benzene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Carbon Tetrachloride | < 0.990 | < 0.990 | < 0.990 | < 0.990 | < 0.990 |
| Carbon Tetrachloride (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chlorobenzene | < 0.820 | < 0.820 | < 0.820 | < 0.820 | < 0.820 |
| Chlorobenzene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

red

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0908SU
11/18/88 | MA1154SU
05/17/90 | MA1156SU
05/17/90 | MA1158SU
05/15/90 | MA1160SU
05/11/90 |
|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Volatiles | | | | | |
| Chloroform | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Chloroform (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dibromochloropropane | < 0.195 | < 0.195 | < 0.195 | < 0.195 | < 0.195 |
| Dibromochloropropane (GCMS) | MA | < 12.0 | < 12.0 | < 12.0 | < 12.0 |
| Dimethyl Disulfide | < 0.550 | < 0.550 | < 0.550 | < 0.550 | < 0.550 |
| Ethyl Benzene | < 1.37 | < 1.37 | < 1.37 | < 1.37 | < 1.37 |
| Ethyl Benzene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| m-Xylene | < 1.32 | < 1.32 | < 1.32 | < 1.32 | < 1.32 |
| m-Xylene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methylene Chloride | < 7.40 | < 7.40 | < 7.40 | < 7.40 | < 7.40 |
| Methylene Chloride (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methylisobutyl Ketone | MA | < 4.90 | < 4.90 | < 4.90 | R |
| Methylisobutyl Ketone (GCMS) | < 1.40 | < 1.40 | < 1.40 | < 1.40 | < 1.40 |
| o,p-Xylene | < 1.36 | < 1.36 | < 1.36 | < 1.36 | < 1.36 |
| o,p-Xylene (GCMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Tetrachloroethene | < 0.750 | < 0.750 | < 0.750 | < 0.750 | < 0.750 |
| Tetrachloroethene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Toluene | < 1.47 | < 1.47 | < 1.47 | < 1.47 | < 1.47 |
| Toluene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA0900SU
11/18/88 | MA1154SU
05/17/90 | MA1156SU
05/17/90 | MA1158SU
05/15/90 | MA1160SU
05/11/90 |
|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Volatiles | | | | | |
| Trichloroethene | < 0.560 | < 0.560 | < 0.560 | < 0.560 | < 0.560 |
| Trichloroethene (GWS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Vinyl Chloride (GWS) | < 12.0 | < 12.0 | < 12.0 | < 12.0 | < 12.0 |

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R -- Data did not meet quality control criteria and were

re-evaluated.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA1161SU
05/15/90 | MA1178SU
05/15/90 | MA1179SU
05/15/90 | MA1185SU
05/10/90 | MA1196SU
06/01/90 |
|-----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Metals/Anions/General Chem | | | | | |
| Arsenic | < 2.35 | < 2.35 | < 2.35 | < 2.35 | 2.82 |
| Cadmium | < 6.78 | < 6.78 | < 6.78 | < 6.78 | < 6.78 |
| Calcium | 63500 | 62000 | 61800 | 67200 | 57600 |
| Chloride | 41000 | 42000 | 40000 | 54000 | 57000 |
| Chromium | < 16.8 | < 16.8 | < 16.8 | < 16.8 | < 16.8 |
| Copper | < 18.8 | < 18.8 | < 18.8 | < 18.8 | < 18.8 |
| Cyanide | R | R | R | R | R |
| Fluoride | 1130 | 1070 | 1090 | 1020 | 905 |
| Lead | < 43.4 | < 43.4 | < 43.4 | < 43.4 | < 43.4 |
| Magnesium | 14000 | 13600 | 13500 | 15100 | 12400 |
| Mercury | 0.297 | 0.230 | 0.557 | 0.315 | < 0.100 |
| Nitrite, Nitrate -- Non-Specific | 1900 | 2000 | 1900 | 1800 | 2300 |
| Potassium | 3970 | 3990 | 4860 | 5310 | 3640 |
| Sodium | 52000 | 48600 | 49500 | 73000 | 52400 |
| Sulfate | 110000 | 110000 | 110000 | 120000 | 130000 |
| Total Organic Carbon | 2670 | 3970 | 3920 | 7700 | 5000 |
| Zinc | < 18.0 | < 18.0 | < 18.0 | < 18.0 | < 18.0 |
| Phenols | | | | | |
| 2,3,6-Trichlorophenol (GDMS) | < 1.70 | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GDMS) | < 2.80 | < 2.80 | < 2.80 | < 2.80 | < 2.80 |

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NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA1161SU
05/15/90 | MA1178SU
05/15/90 | MA1179SU
05/15/90 | MA1185SU
05/10/90 | MA1196SU
06/01/90 |
|--------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Phenols | | | | | |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 | < 3.60 | < 3.60 | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | < 8.40 | < 8.40 | < 8.40 | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | < 4.40 | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | < 176 | < 176 | < 176 | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | < 2.80 | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | < 3.60 | < 3.60 | < 3.60 | < 3.60 | < 3.60 |
| 2-Nitrophenol (GCMS) | < 8.20 | < 8.20 | < 8.20 | < 8.20 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 | < 8.50 | < 8.50 | < 8.50 | < 8.50 |
| 4-Methylphenol (GCMS) | < 2.80 | < 2.80 | < 2.80 | < 2.80 | < 2.80 |
| 4-Nitrophenol (GCMS) | < 96.0 | < 96.0 | < 96.0 | < 96.0 | < 96.0 |
| Phenol (GCMS) | < 2.20 | < 2.20 | < 2.20 | < 2.20 | < 2.20 |
| Semivolatiles | | | | | |
| 1,4-Oxathiane | < 2.38 | < 2.38 | < 2.38 | < 2.38 | < 2.38 |
| 1,4-Oxathiane (GCMS) | < 27.0 | < 27.0 | < 27.0 | < 27.0 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.0490 | < 0.0490 | < 0.0490 | < 0.0490 | < 0.0490 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | < 18.0 | < 18.0 | < 18.0 | < 18.0 | < 18.0 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) | < 0.0540 | < 0.0540 | < 0.0540 | < 0.0540 | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GCMS) | < 14.0 | < 14.0 | < 14.0 | < 14.0 | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 5.69 | < 5.69 | < 5.69 | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 10.0 |

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> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were

red.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | NA1161SM
05/15/90 | NA1178SM
05/15/90 | NA1179SM
05/15/90 | NA1185SM
05/10/90 | NA1196SM
06/01/90 |
|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Semivolatiles | | | | | |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 7.46 | < 7.46 | < 7.46 | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | < 5.30 | < 5.30 | < 5.30 | < 5.30 |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 | < 11.5 | < 11.5 | < 11.5 | < 11.5 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 | < 15.0 | < 15.0 | < 15.0 | < 15.0 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | R |
| Aldrin | | | | | |
| Aldrin (GCMS) | < 13.0 | < 13.0 | < 13.0 | < 13.0 | < 13.0 |
| Atrazine | < 4.03 | < 4.03 | < 4.03 | < 4.03 | 4.13 |
| Atrazine (GCMS) | < 5.90 | < 5.90 | < 5.90 | < 5.90 | < 5.90 |
| Benzothiazole | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 | < 5.90 | < 5.90 | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | < 7.70 | < 7.70 | < 7.70 | < 7.70 | < 7.70 |
| Caprolactam (GCMS) | < 10.0 | < 10.0 | < 10.0 | < 10.0 | < 7.70 |
| Chlordane | < 0.0950 | < 0.0950 | < 0.0950 | < 0.0950 | < 0.0950 |
| Chlordane (GCMS) | < 37.0 | < 37.0 | < 37.0 | < 37.0 | < 37.0 |
| Dicyclopentadiene | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Dicyclopentadiene (GCMS) | < 5.50 | < 5.50 | < 5.50 | < 5.50 | < 5.50 |
| Dieldrin | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Dieldrin (GCMS) | < 26.0 | < 26.0 | < 26.0 | < 26.0 | < 26.0 |
| Diisopropyl Methylphosphonate | 0.860 | 1.11 | 1.33 | < 0.392 | < 0.392 |

Notes: Values are reported in micrograms per liter.

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NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface Water Investigative Analytical Data

| Sample ID
Date | MA1161SU
05/15/90 | MA1178SU
05/15/90 | MA1179SU
05/15/90 | MA1185SU
05/10/90 | MA1196SU
06/01/90 |
|--------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Semi-volatiles | | | | | |
| Diisopropyl Methylphosphonate (GDMS) | < 21.0 | < 21.0 | < 21.0 | < 21.0 | < 21.0 |
| Diethylmethyl Phosphonate | < 0.188 | < 0.188 | < 0.188 | < 0.188 | < 0.188 |
| Dimethylmethyl Phosphonate (GDMS) | < 130 | < 130 | < 130 | < 130 | < 130 |
| Dithiane | < 1.34 | < 1.34 | < 1.34 | < 1.34 | < 1.34 |
| Dithiane (GDMS) | < 3.30 | < 3.30 | < 3.30 | < 3.30 | < 3.30 |
| Endrin | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Endrin (GDMS) | < 18.0 | < 18.0 | < 18.0 | < 18.0 | < 18.0 |
| Hexachlorocyclopentadiene | < 0.0480 | < 0.0480 | < 0.0480 | R | < 0.0480 |
| Hexachlorocyclopentadiene (GDMS) | < 54.0 | < 54.0 | < 54.0 | < 54.0 | < 54.0 |
| Isodrin | < 0.0510 | < 0.0510 | < 0.0510 | < 0.0510 | < 0.0510 |
| Isodrin (GDMS) | < 7.80 | < 7.80 | < 7.80 | < 7.80 | < 7.80 |
| Malathion | < 0.373 | < 0.373 | < 0.373 | < 0.373 | < 0.373 |
| Malathion (GDMS) | < 21.0 | < 21.0 | < 21.0 | < 21.0 | < 21.0 |
| Parathion | < 0.647 | < 0.647 | < 0.647 | < 0.647 | < 0.647 |
| Parathion (GDMS) | < 37.0 | < 37.0 | < 37.0 | < 37.0 | < 37.0 |
| Pentachlorophenol (GDMS) | < 9.10 | < 9.10 | < 9.10 | < 9.10 | < 9.10 |
| Supona | < 0.787 | < 0.787 | < 0.787 | < 0.787 | < 0.787 |
| Supona (GDMS) | < 19.0 | < 19.0 | < 19.0 | < 19.0 | < 19.0 |
| Vapona | < 0.384 | < 0.384 | < 0.384 | < 0.384 | < 0.384 |

Notes: Values are reported in micrograms per liter.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

ad.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA1161SW
05/15/90 | MA1178SW
05/15/90 | MA1179SW
05/15/90 | MA1185SW
05/10/90 | MA1196SW
06/01/90 |
|------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Semivolatiles | | | | | |
| Vapors (GCMS) | < 8.50 | < 8.50 | < 8.50 | < 8.50 | < 8.50 |
| Volatiles | | | | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 | < 0.760 | < 0.760 | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 | < 0.780 | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1- Dichloroethane | < 0.730 | < 0.730 | < 0.730 | < 0.730 | < 0.730 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,1-Dichloroethene | < 1.70 | < 1.70 | < 1.70 | < 1.70 | < 1.70 |
| 1,1-Dichloroethene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethene | < 1.10 | < 1.10 | < 1.10 | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 | < 0.760 | < 0.760 | < 0.760 |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 5.00 | < 5.00 | < 5.00 | < 5.00 | < 5.00 |
| Benzene | < 1.05 | < 1.05 | < 1.05 | < 1.05 | < 1.05 |
| Benzene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Carbon Tetrachloride | < 0.990 | < 0.990 | < 0.990 | < 0.990 | < 0.990 |
| Carbon Tetrachloride (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Chlorobenzene | < 0.820 | < 0.820 | < 0.820 | < 0.820 | < 0.820 |
| Chlorobenzene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA1161SU
05/15/90 | MA1178SU
05/15/90 | MA1179SU
05/15/90 | MA1185SU
05/10/90 | MA1196SU
06/01/90 |
|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Volatiles | | | | | |
| Chloroform | < 0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Chloroform (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dibromochloropropane | < 0.195 | < 0.195 | < 0.195 | < 0.195 | < 0.195 |
| Dibromochloropropane (GDMS) | < 12.0 | < 12.0 | < 12.0 | < 12.0 | < 12.0 |
| Dimethyl Disulfide | < 0.550 | < 0.550 | < 0.550 | < 0.550 | < 0.550 |
| Ethyl Benzene | < 1.37 | < 1.37 | < 1.37 | < 1.37 | < 1.37 |
| Ethyl Benzene (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| m-Xylene | < 1.32 | < 1.32 | < 1.32 | < 1.32 | < 1.32 |
| m-Xylene (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methylene Chloride | < 7.40 | < 7.40 | < 7.40 | < 7.40 | < 7.40 |
| Methylene Chloride (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Methylisobutyl Ketone | < 4.90 | < 4.90 | < 4.90 | < 4.90 | < 4.90 |
| Methylisobutyl Ketone (GDMS) | < 1.40 | < 1.40 | < 1.40 | < 1.40 | < 1.40 |
| O,p-Xylene | < 1.36 | < 1.36 | < 1.36 | < 1.36 | < 1.36 |
| O,p-Xylene (GDMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Tetrachloroethene | < 0.750 | < 0.750 | < 0.750 | < 0.750 | < 0.750 |
| Tetrachloroethene (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Toluene | < 1.47 | < 1.47 | < 1.47 | < 1.47 | < 1.47 |
| Toluene (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

re-

Table C1 Surface-Water Investigative Analytical Data

| Sample ID
Date | MA1161SU
05/15/90 | MA1178SU
05/15/90 | MA1179SU
05/15/90 | MA1185SU
05/10/90 | MA1196SU
06/01/90 |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | |
| Volatiles | | | | | |
| Trichloroethene | < 0.560 | < 0.560 | < 0.560 | < 0.560 | < 0.560 |
| Trichloroethene (GDMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Vinyl Chloride (GDMS) | < 12.0 | < 12.0 | < 12.0 | < 12.0 | < 12.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

MA1197SU
06/01/90

Sample ID
Date

Analytes

Metals/Anions/General Chem

Arsenic 2.82
Cadmium < 6.78
Calcium 59300
Chloride 56000
Chromium < 16.8

Copper < 18.8
Cyanide R
Fluoride 906
Lead < 43.4
Magnesium 12600

Mercury < 0.100
Nitrite, Nitrate -- Non-Specific 2300
Potassium 3660
Sodium 54000
Sulfate 130000

Total Organic Carbon 5000
Zinc < 18.0

Phenols

2,3,6-Trichlorophenol (GCMS) < 1.70
2,4,5-Trichlorophenol (GCMS) < 2.80

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

P -- Data did not meet quality control criteria and were

revised.

Table C1 Surface-Water Investigative Analytical Data

Sample ID
Date

HA1197SM
06/01/90

Analytes

| | |
|--------------------------------------------------------------|----------|
| Phenols | |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | < 176 |
| 2-Chlorophenol (GCMS) | < 2.80 |
| 2-Methylphenol (GCMS) | < 3.60 |
| 2-Nitrophenol (GCMS) | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 |
| 4-Methylphenol (GCMS) | < 2.80 |
| 4-Nitrophenol (GCMS) | < 96.0 |
| Phenol (GCMS) | < 2.20 |
| Semivolatiles | |
| 1,4-Oxathiane | < 2.38 |
| 1,4-Oxathiane (GCMS) | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.0490 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | < 18.0 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GCMS) | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

Sample ID
Date

HA1197SJ
06/01/90

Analytes

| | |
|--------------------------------------------|----------|
| Semivolatiles | |
| 4-Chlorophenylmethyl Sulfone | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 |
| Aldrin | R |
| Aldrin (GCMS) | |
| Aldrin | < 13.0 |
| Atrazine | < 4.03 |
| Atrazine (GCMS) | < 5.90 |
| Benothiazole | < 5.00 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | |
| Bis (2-Ethylhexyl) Phthalate | < 7.70 |
| Caprolactam (GCMS) | < 10.0 |
| Chlordane | < 0.0950 |
| Chlordane (GCMS) | < 37.0 |
| Dicyclopentadiene | < 5.00 |
| Dicyclopentadiene (GCMS) | |
| Dicyclopentadiene | < 5.50 |
| Dieldrin | < 0.0500 |
| Dieldrin (GCMS) | < 26.0 |
| Diisopropyl Methylphosphonate | < 0.392 |

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
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 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 rejected.

Table C1 Surface-Water Investigative Analytical Data

Sample ID
Date

MA1197SU
06/01/90

Analytes

| | |
|--------------------------------------|----------|
| Semi-volatiles | |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 |
| Dimethylmethyl Phosphonate | < 0.188 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 |
| Dichloromethane | < 1.34 |
| Dichloroethane (GCMS) | < 3.30 |
| Endrin | |
| Endrin (GCMS) | < 0.0500 |
| Hexachlorocyclopentadiene | < 18.0 |
| Hexachlorocyclopentadiene (GCMS) | < 0.0480 |
| Isodrin | < 54.0 |
| Isodrin (GCMS) | < 0.0510 |
| Malathion | < 7.80 |
| Malathion (GCMS) | < 0.375 |
| Parathion | < 21.0 |
| Parathion (GCMS) | < 0.647 |
| Pentachlorophenol (GCMS) | < 37.0 |
| Supona | < 9.10 |
| Supona (GCMS) | < 0.787 |
| Vapona | < 19.0 |
| Vapona (GCMS) | < 0.384 |

Notes: Values are reported in micrograms per liter.

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Table C1 Surface-Water Investigative Analytical Data

Sample ID
Date

MA1197SU
06/01/90

Analytes

SemiVolatiles

Vapors (GC/MS)

< 8.50

Volatiles

1,1,1-Trichloroethane
1,1,1-Trichloroethane (GC/MS)
1,1,2-Trichloroethane
1,1,2-Trichloroethane (GC/MS)
1,1-Dichloroethane

< 0.760
< 1.00
< 0.780
< 1.00
< 0.730

1,1-Dichloroethane (GC/MS)
1,1-Dichloroethane
1,1-Dichloroethane (GC/MS)
1,2-Dichloroethane
1,2-Dichloroethane (GC/MS)

< 1.00
< 1.70
< 1.00
< 1.10
< 1.00

1,2-Dichloroethanes (cis & trans)
1,2-Dichloroethanes (cis & trans) (GC/MS)

< 0.760
< 5.00

Benzene

Benzene (GC/MS)

< 1.05

Carbon Tetrachloride

< 1.00

Carbon Tetrachloride (GC/MS)

< 1.00

Chlorobenzene

< 0.820

Chlorobenzene (GC/MS)

< 1.00

Notes: Values are reported in micrograms per liter.

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NA -- Not Analyzed.

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revised.

Table C1 Surface-Water Investigative Analytical Data

Sample ID
Date

MA1197SM
06/01/90

Analytes

Volatiles

Chloroform < 0.500
Chloroform (GCMS) < 1.00
Dibromochloropropane < 0.195
Dibromochloropropane (GCMS) < 12.0
Dimethyl Disulfide < 0.550

Ethyl Benzene < 1.37
Ethyl Benzene (GCMS) < 1.00
M-Xylene < 1.32
M-Xylene (GCMS) < 1.00
Methylene Chloride < 7.40

Methylene Chloride (GCMS) < 1.00
Methylisobutyl Ketone < 4.90
Methylisobutyl Ketone (GCMS) < 1.40
O,P-Xylene < 1.36
O,P-Xylene (GCMS) < 2.00

Tetrachloroethene < 0.750
Tetrachloroethene (GCMS) < 1.00
Toluene < 1.47
Toluene (GCMS) < 1.00

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table C1 Surface-Water Investigative Analytical Data

HA1197SM
06/01/90

Sample ID
Date

Analytes

Volatiles

Trichloroethene
Trichloroethene (GC/MS)
Vinyl Chloride (GC/MS)

< 0.560
< 1.00
< 12.0

Notes: Values are reported in micrograms per liter.
Reported values are accurate to three significant figures.
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or above the Certified Reporting Limit.
> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.
NA -- Not Analyzed.
R -- Data did not meet quality control criteria and were
rejected.

Table C2 Surface-Water GC/MS Analytical Data

| Sample ID | MA1190SU | MA1191SU |
|--------------------------------------------------------------|----------|----------|
| Date | 05/10/90 | 06/01/90 |
| Analytes | GC/MS OF | GC/MS OF |
| | MA1185SU | MA1196SU |
| <hr/> | | |
| Phenols | | |
| 2,3,6-Trichlorophenol (GCMS) | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GCMS) | < 2.80 | < 2.80 |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | < 3.60 | < 3.60 |
| 2-Nitrophenol (GCMS) | < 8.20 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 | < 8.50 |
| 4-Methylphenol (GCMS) | < 2.80 | < 2.80 |
| 4-Nitrophenol (GCMS) | < 96.0 | < 96.0 |
| Phenol (GCMS) | < 2.20 | < 2.20 |
| Semivolatiles | | |
| 1,4-Oxathiane (GCMS) | < 27.0 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | < 18.0 | < 18.0 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS) | < 14.0 | < 14.0 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | < 10.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C2 Surface-Water GC/MS Analytical Data

| Sample ID
Date | HA1190SU
05/10/90
GC/MS OF
HA1185SU | HA1191SU
06/01/90
GC/MS OF
HA1196SU |
|---------------------------------------|----------------------------------------------|----------------------------------------------|
| Analytes | | |
| Semivolatiles | | |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | < 5.30 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 | < 15.0 |
| Aldrin (GCMS) | < 13.0 | < 13.0 |
| Atrazine (GCMS) | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | < 7.70 | < 7.70 |
| Caprolactam (GCMS) | < 10.0 | < 10.0 |
| Chlordane (GCMS) | < 37.0 | < 37.0 |
| Dicyclopentadiene (GCMS) | < 5.50 | < 5.50 |
| Dieldrin (GCMS) | < 26.0 | < 26.0 |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 | < 21.0 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 | < 130 |
| Dithiane (GCMS) | < 3.30 | < 3.30 |
| Endrin (GCMS) | < 18.0 | < 18.0 |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 | < 54.0 |
| Isodrin (GCMS) | < 7.80 | < 7.80 |
| Malathion (GCMS) | < 21.0 | < 21.0 |
| Parathion (GCMS) | < 37.0 | < 37.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

re-evaluated.

Table C2 Surface-Water GC/MS Analytical Data

| Sample ID
Date | HA1190SU
05/10/90
GC/MS OF
HA1185SU | HA1191SU
06/01/90
GC/MS OF
HA1196SU |
|------------------------------------------|----------------------------------------------|----------------------------------------------|
| Analytes | | |
| Semivolatiles | | |
| Pentachlorophenol (GCMS) | < 9.10 | < 9.10 |
| Supona (GCMS) | < 19.0 | < 19.0 |
| Vapona (GCMS) | < 8.50 | < 8.50 |
| Volatiles | | |
| 1,1,1-Trichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,1-Dichloroethene (GCMS) | < 1.00 | < 1.00 |
| 1,2-Dichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 5.00 | < 5.00 |
| Benzene (GCMS) | < 1.00 | < 1.00 |
| Carbon Tetrachloride (GCMS) | < 1.00 | < 1.00 |
| Chlorobenzene (GCMS) | < 1.00 | < 1.00 |
| Chloroform (GCMS) | < 1.00 | < 1.00 |
| Dibromochloropropane (GCMS) | < 12.0 | < 12.0 |
| Ethyl Benzene (GCMS) | < 1.00 | < 1.00 |
| m-Xylene (GCMS) | < 1.00 | < 1.00 |
| Methylene Chloride (GCMS) | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 rejected.

Table C2 Surface-Water GC/MS Analytical Data

| Sample ID | MA1190SU | MA1191SU |
|------------------------------|----------|----------|
| Date | 05/10/90 | 06/01/90 |
| Analytes | GC/MS OF | GC/MS OF |
| | MA1165SU | MA1196SU |
| Volatiles | | |
| Methylisobutyl Ketone (GCMS) | < 1.40 | < 1.40 |
| O,P-Xylene (GCMS) | < 2.00 | < 2.00 |
| Tetrachloroethene (GCMS) | < 1.00 | < 1.00 |
| Toluene (GCMS) | < 1.00 | < 1.00 |
| Trichloroethene (GCMS) | < 1.00 | < 1.00 |
| Vinyl Chloride (GCMS) | < 12.0 | < 12.0 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table C3 Surface-Water Duplicate Analytical Data

| Sample ID
Date | HA1189SU
05/10/90
Dup of
HA1185SU | HA1162SU
06/01/90
Dup of
HA1196SU |
|----------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | |
| Metals/Anions/General Chem | | |
| Arsenic | < 2.35 | < 2.35 |
| Cadmium | < 6.78 | < 6.78 |
| Calcium | 63000 | 58700 |
| Chloride | 49000 | 54000 |
| Chromium | < 16.8 | < 16.8 |
| Copper | < 18.8 | < 18.8 |
| Cyanide | R | R |
| Fluoride | 1030 | 907 |
| Lead | < 43.4 | < 43.4 |
| Magnesium | 14000 | 12600 |
| Mercury | 0.538 | < 0.100 |
| Nitrite, Nitrate -- Non-Specific | 1800 | 2200 |
| Potassium | 4670 | 4430 |
| Sodium | 62000 | 53000 |
| Sulfate | 130000 | 130000 |
| Total Organic Carbon | 9800 | 5000 |
| Zinc | < 18.0 | < 18.0 |

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 rejected.

Table C3 Surface-Water Duplicate Analytical Data

| Sample ID
Date | NA1189SU
05/10/90
Dup of
NA1185SU | NA1162SU
06/01/90
Dup of
NA1196SU |
|--------------------------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | |
| Phenols | | |
| 2,3,6-Trichlorophenol (GCMS) | < 1.70 | < 1.70 |
| 2,4,5-Trichlorophenol (GCMS) | < 2.60 | < 2.80 |
| 2,4,6-Trichlorophenol (GCMS) | < 3.60 | < 3.60 |
| 2,4-Dichlorophenol (GCMS) | < 8.40 | < 8.40 |
| 2,4-Dimethylphenol (GCMS) | < 4.40 | < 4.40 |
| 2,4-Dinitrophenol (GCMS) | < 176 | < 176 |
| 2-Chlorophenol (GCMS) | < 2.80 | < 2.80 |
| 2-Methylphenol (GCMS) | < 3.60 | < 3.60 |
| 2-Nitrophenol (GCMS) | < 8.20 | < 8.20 |
| 3-Methyl-4-Chlorophenol (GCMS) | < 8.50 | < 8.50 |
| 4-Methylphenol (GCMS) | < 2.80 | < 2.80 |
| 4-Nitrophenol (GCMS) | < 96.0 | < 96.0 |
| Phenol (GCMS) | < 2.20 | < 2.20 |
| Semivolatiles | | |
| 1,4-Oxathiane | < 2.38 | < 2.38 |
| 1,4-Oxathiane (GCMS) | < 27.0 | < 27.0 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.0490 | < 0.0490 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | < 18.0 | < 18.0 |

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

r d.

Table C3 Surface-Water Duplicate Analytical Data

| Sample ID
Date | MA1189SW
05/10/90
Dup of
MA1185SW | MA1162SW
06/01/90
Dup of
MA1196SW |
|-----------------------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | |
| Semivolatiles | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) | < 0.0540 | < 0.0540 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) (GCMS) | < 14.0 | < 14.0 |
| 4-Chlorophenylmethyl Sulfide | < 5.69 | < 5.69 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 10.0 | < 10.0 |
| 4-Chlorophenylmethyl Sulfone | < 7.46 | < 7.46 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 5.30 | < 5.30 |
| 4-Chlorophenylmethyl Sulfoxide | < 11.5 | < 11.5 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 15.0 | < 15.0 |
| Aldrin | < 0.0500 | R |
| Aldrin (GCMS) | < 13.0 | < 13.0 |
| Atrazine | < 4.03 | 4.58 |
| Atrazine (GCMS) | < 5.90 | < 5.90 |
| Benothiazole | < 5.00 | < 5.00 |
| Bicyclo [2,2,1] hepto-2,5-diene | < 5.90 | < 5.90 |
| Bis (2-Ethylhexyl) Phthalate (GCMS) | < 7.70 | < 7.70 |
| Caprolactam (GCMS) | < 10.0 | < 10.0 |
| Chlordane | < 0.0950 | < 0.0950 |

Notes: Values are reported in micrograms per liter.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 rejected.

Table C3 Surface-Water Duplicate Analytical Data

| Sample ID | HA1189SW | HA1162SW |
|--------------------------------------|----------|----------|
| Date | 05/10/90 | 06/01/90 |
| | Dup of | Dup of |
| | HA1185SW | HA1196SW |
| Analytes | | |
| Semivolatiles | | |
| Chlordane (GCMS) | < 37.0 | < 37.0 |
| Dicyclopentadiene | < 5.00 | < 5.00 |
| Dicyclopentadiene (GCMS) | < 5.50 | < 5.50 |
| Dieldrin | < 0.0500 | < 0.0500 |
| Dieldrin (GCMS) | < 26.0 | < 26.0 |
| Diisopropyl Methylphosphonate | < 0.392 | < 0.392 |
| Diisopropyl Methylphosphonate (GCMS) | < 21.0 | < 21.0 |
| Dimethylmethyl Phosphonate | < 0.188 | < 0.188 |
| Dimethylmethyl Phosphonate (GCMS) | < 130 | < 130 |
| Dithiane | < 1.34 | < 1.34 |
| Dithiane (GCMS) | < 3.30 | < 3.30 |
| Endrin | < 0.0500 | < 0.0500 |
| Endrin (GCMS) | < 18.0 | < 18.0 |
| Hexachlorocyclopentadiene | R | < 0.0480 |
| Hexachlorocyclopentadiene (GCMS) | < 54.0 | < 54.0 |
| Isodrin | < 0.0510 | < 0.0510 |
| Isodrin (GCMS) | < 7.80 | < 7.80 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

not used.

Table C3 Surface-Water Duplicate Analytical Data

| Sample ID
Date | NA1189SU
05/10/90
Dup of
NA1185SU | NA1162SU
06/01/90
Dup of
NA1196SU |
|------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | |
| Semivolatiles | | |
| Malathion | < 0.373 | < 0.373 |
| Malathion (GCMS) | < 21.0 | < 21.0 |
| Parathion | < 0.647 | < 0.647 |
| Parathion (GCMS) | < 37.0 | < 37.0 |
| Pentachlorophenol (GCMS) | < 9.10 | < 9.10 |
| Supona | < 0.787 | < 0.787 |
| Supona (GCMS) | < 19.0 | < 19.0 |
| Vapona | < 0.384 | < 0.384 |
| Vapona (GCMS) | < 8.50 | < 8.50 |
| Volatiles | | |
| 1,1,1-Trichloroethane | < 0.760 | < 0.760 |
| 1,1,1-Trichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,1,2-Trichloroethane | < 0.780 | < 0.780 |
| 1,1,2-Trichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,1-Dichloroethane | < 0.730 | < 0.730 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,1-Dichloroethane | < 1.70 | < 1.70 |
| 1,1-Dichloroethane (GCMS) | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per liter.
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 > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were rejected.

Table C3 Surface-Water Duplicate Analytical Data

| Sample ID
Date | MA1189SU
05/10/90
Dup of
MA1185SU | MA1162SU
06/01/90
Dup of
MA1196SU |
|------------------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | |
| Volatiles | | |
| 1,2-Dichloroethane | < 1.10 | < 1.10 |
| 1,2-Dichloroethane (GCMS) | < 1.00 | < 1.00 |
| 1,2-Dichloroethenes (cis & trans) | < 0.760 | < 0.760 |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 5.00 | < 5.00 |
| Benzene | < 1.05 | < 1.05 |
| Benzene (GCMS) | < 1.00 | < 1.00 |
| Carbon Tetrachloride | < 0.990 | < 0.990 |
| Carbon Tetrachloride (GCMS) | < 1.00 | < 1.00 |
| Chlorobenzene | < 0.820 | < 0.820 |
| Chlorobenzene (GCMS) | < 1.00 | < 1.00 |
| Chloroform | < 0.500 | < 0.500 |
| Chloroform (GCMS) | < 1.00 | < 1.00 |
| Dibromochloropropane | < 0.195 | < 0.195 |
| Dibromochloropropane (GCMS) | < 12.0 | < 12.0 |
| Dimethyl Disulfide | < 0.550 | < 0.550 |
| Ethyl Benzene | < 1.37 | < 1.37 |
| Ethyl Benzene (GCMS) | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table C3 Surface-Water Duplicate Analytical Data

| Sample ID
Date | MA1189SW
05/10/90
Dup of
MA1185SW | MA1162SW
06/01/90
Dup of
MA1196SW |
|------------------------------|--------------------------------------------|--------------------------------------------|
| Analytes | | |
| Volatiles | < 1.32 | < 1.32 |
| M-Xylene | < 1.00 | < 1.00 |
| M-Xylene (GCMS) | < 7.40 | < 7.40 |
| Methylene Chloride | < 1.00 | < 1.00 |
| Methylene Chloride (GCMS) | R | < 4.90 |
| Methylisobutyl Ketone | | |
| Methylisobutyl Ketone (GCMS) | < 1.40 | < 1.40 |
| O,P-Xylene | < 1.36 | < 1.36 |
| O,P-Xylene (GCMS) | < 2.00 | < 2.00 |
| Tetrachloroethene | < 0.750 | < 0.750 |
| Tetrachloroethene (GCMS) | < 1.00 | < 1.00 |
| Toluene | < 1.47 | < 1.47 |
| Toluene (GCMS) | < 1.00 | < 1.00 |
| Trichloroethene | < 0.560 | < 0.560 |
| Trichloroethene (GCMS) | < 1.00 | < 1.00 |
| Vinyl Chloride (GCMS) | < 12.0 | < 12.0 |

Notes: Values are reported in micrograms per liter.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C3 Surface-Water Duplicate Analytical Data

| Sample ID | | |
|-----------|----------|----------|
| Date | MA1189SU | MA1162SU |
| | 05/10/90 | 06/01/90 |
| | Dup of | Dup of |
| | MA1185SU | MA1196SU |

Analytes

Notes: Values are reported in micrograms per liter.
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 rejected.

Appendix D
STREAM-BOTTOM SEDIMENT ANALYTICAL DATA

LIST OF TABLES

Table No.

| | |
|----|------------------------------------------------------|
| D1 | Stream-Bottom Sediment Investigative Analytical Data |
| D2 | Stream-Bottom Sediment GC/MS Analytical Data |
| D3 | Stream-Bottom Sediment Duplicate Analytical Data |

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0972SE | MA0974SE | MA0975SE | MA0976SE |
|--------------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 15 cm | 15 cm | 15 cm |
| Date | 11/11/88 | 11/14/88 | 11/14/88 | 11/14/88 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | 7.17 | 3.70 | 3.27 | 2.48 |
| Cadmium | < 0.740 | 0.926 | < 0.740 | < 0.740 |
| Chromium | < 6.50 | 9.93 | < 6.50 | < 6.50 |
| Copper | < 4.70 | 10.1 | 6.16 | < 4.70 |
| Cyanide | MA | MA | MA | MA |
| Lead | < 8.40 | 24.4 | < 8.40 | < 8.40 |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Total Organic Carbon | MA | MA | MA | MA |
| Zinc | 11.8 | 45.9 | 26.3 | < 8.70 |
| Semi-volatiles | | | | |
| 1,4-Dioxane | < 1.74 | < 1.74 | < 1.74 | < 1.74 |
| 1,4-Dioxane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) | < 0.00200 | 0.0222 | < 0.00200 | < 0.00200 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (D0E) | < 0.00240 | < 0.00240 | < 0.00240 | < 0.00240 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (D0E) (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were
rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0972SE | MA0974SE | MA0975SE | MA0976SE |
|----------------------------------------|-----------|----------|----------|-----------|
| Depth | 5 cm | 15 cm | 15 cm | 15 cm |
| Date | 11/11/88 | 11/14/88 | 11/14/88 | 11/14/88 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | < 9.01 | < 9.01 | < 9.01 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfonide | < 4.81 | < 4.81 | < 4.81 | < 4.81 |
| 4-Chlorophenylmethyl Sulfonide (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Aldrin | < 0.00190 | 0.00391 | 0.0120 | < 0.00190 |
| Organochlorine Pesticides | | | | |
| Aldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Atrazine | MA | MA | MA | MA |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Benzothiazole | < 2.04 | < 2.04 | < 2.04 | < 2.04 |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | < 0.360 | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Bicyclopentadiene | MA | MA | MA | MA |
| Bicyclopentadiene (GCMS) | < 0.640 | < 1.00 | < 1.00 | < 1.00 |
| Dieldrin | 0.370 | 0.0277 | 0.0264 | < 0.0330 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |

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R -- Data did not meet quality control criteria and were

Table 01 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0972SE | MA0974SE | MA0975SE | MA0976SE |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 15 cm | 15 cm | 15 cm |
| Date | 11/11/88 | 11/14/88 | 11/14/88 | 11/14/88 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Diisopropyl Methylphosphonate | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dimethylacetyl Phosphonate | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Dithiane | < 1.45 | < 1.45 | < 1.45 | < 1.45 |
| Dithiane (GCMS) | < 0.400 | < 0.400 | < 0.400 | < 0.400 |
| Endrin | < 0.00580 | < 0.00580 | 0.00743 | < 0.00580 |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00180 | < 0.00180 | < 0.00180 | < 0.00180 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00110 | < 0.00110 | < 0.00110 | < 0.00110 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Malathion | MA | MA | MA | MA |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 | < 0.700 |
| Parathion | MA | MA | MA | MA |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| Supona | MA | MA | MA | MA |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |

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 or above the Certified Reporting Limit.
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 above the Maximum Reporting Limit.
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 rejected.

Table 01 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0972SE | MA0974SE | MA0975SE | MA0976SE |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 15 cm | 15 cm | 15 cm |
| Date | 11/11/88 | 11/14/88 | 11/14/88 | 11/14/88 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Vapors | MA | MA | MA | MA |
| Vapors (GCMS) | < 3.00 | < 3.00 | < 3.00 | < 3.00 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.0680 | < 0.0680 | < 0.0680 | < 0.0680 |
| 1,1,1-Trichloroethane (GCMS) | < 0.430 | MA | MA | MA |
| 1,1,2-Trichloroethane | < 0.260 | < 0.260 | < 0.260 | < 0.260 |
| 1,1,2-Trichloroethane (GCMS) | < 0.390 | MA | MA | MA |
| 1,1-Dichloroethane | < 0.0740 | < 0.0740 | < 0.0740 | < 0.0740 |
| 1,1-Dichloroethane (GCMS) | < 1.70 | MA | MA | MA |
| 1,1-Dichloroethane | < 0.240 | < 0.240 | < 0.240 | < 0.240 |
| 1,2-Dichloroethane | < 0.0650 | < 0.0650 | < 0.0650 | < 0.0650 |
| 1,2-Dichloroethane (GCMS) | < 0.560 | MA | MA | MA |
| 1,2-Dichloroethanes (cis & trans) | < 0.260 | < 0.260 | < 0.260 | < 0.260 |
| 1,2-Dichloroethanes (cis & trans) (GCMS) | < 1.70 | MA | MA | MA |
| Benzene | MA | MA | MA | MA |
| Benzene (GCMS) | < 0.250 | MA | MA | MA |
| Carbon Tetrachloride | < 0.120 | < 0.120 | < 0.120 | < 0.120 |
| Carbon Tetrachloride (GCMS) | < 0.250 | MA | MA | MA |

Notes: Values are reported in micrograms per gram.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0972SE | MA0974SE | MA0975SE | MA0976SE |
|------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 15 cm | 15 cm | 15 cm |
| Date | 11/11/88 | 11/14/88 | 11/14/88 | 11/14/88 |
| Analytes | | | | |
| Volatiles | | | | |
| Chlorobenzene | < 0.200 | < 0.200 | < 0.200 | < 0.200 |
| Chlorobenzene (GCMS) | < 1.50 | MA | MA | MA |
| Chloroform | < 0.0680 | < 0.0680 | < 0.0680 | < 0.0680 |
| Chloroform (GCMS) | < 0.290 | MA | MA | MA |
| Dibromochloropropane | < 0.00500 | < 0.00500 | < 0.00500 | < 0.00500 |
| Dibromochloropropane (GCMS) | < 2.40 | < 0.300 | < 0.300 | < 0.300 |
| Dimethyl Disulfide | < 3.12 | < 3.12 | < 3.12 | < 3.12 |
| Dimethyl Disulfide (GCMS) | < 20.0 | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | < 0.380 | MA | MA | MA |
| m-Xylene | MA | MA | MA | MA |
| m-Xylene (GCMS) | < 0.740 | MA | MA | MA |
| Methylene Chloride | < 3.70 | < 3.70 | < 3.70 | < 3.70 |
| Methylene Chloride (GCMS) | < 1.50 | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | < 0.730 | MA | MA | MA |
| O,p-Xylene | MA | MA | MA | MA |

Notes: Values are reported in micrograms per gram.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0972SE | MA0974SE | MA0975SE | MA0976SE |
|--------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 15 cm | 15 cm | 15 cm |
| Date | 11/11/88 | 11/14/88 | 11/14/88 | 11/14/88 |
| Analytes | | | | |
| Volatiles | | | | |
| O,P-Xylene (GCMS) | < 4.90 | MA | MA | MA |
| Tetrachloroethene | < 0.270 | < 0.270 | < 0.270 | < 0.270 |
| Tetrachloroethene (GCMS) | < 0.250 | MA | MA | MA |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | < 0.250 | MA | MA | MA |
| Trichloroethene | < 0.140 | < 0.140 | < 0.140 | < 0.140 |
| Trichloroethene (GCMS) | < 0.540 | MA | MA | MA |
| Vinyl Chloride | MA | MA | MA | MA |

Notes: Values are reported in microgram per gram.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

id.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | NA0081SE | NA1152SE | NA1153SE | NA1155SE |
|--------------------------------------------------------------|----------|-----------|-----------|-----------|
| Depth | 0 cm | 60 cm | 15 cm | 50 cm |
| Date | 11/18/88 | 05/11/90 | 05/11/90 | 05/14/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | 6.59 | < 2.50 | < 2.50 |
| Cadmium | < 0.740 | 4.35 | < 1.20 | < 1.20 |
| Chromium | 15.5 | 30.0 | 11.7 | 61.1 |
| Copper | 7.90 | 62.7 | 6.96 | 39.7 |
| Cyanide | MA | R | R | R |
| Lead | 16.1 | 131 | < 7.44 | 117 |
| Mercury | < 0.0500 | 1.01 | < 0.0500 | 0.243 |
| Total Organic Carbon | MA | 13000 | 1010 | 7180 |
| Zinc | 43.6 | 414 | 30.7 | 245 |
| <hr/> | | | | |
| Semi-volatiles | | | | |
| 1,4-Oxathiane | < 1.74 | < 1.74 | < 1.74 | < 1.74 |
| 1,4-Oxathiane (GOMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.0100 | < 0.00277 | < 0.00277 | 0.00672 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GOMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) | < 0.0120 | < 0.00466 | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GOMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 4-Chlorophenylmethyl Sulfide (GOMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |

Notes: Values are reported in micrograms per gram.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | NA0981SE | NA1152SE | NA1153SE | NA1155SE |
|----------------------------------------|----------|-----------|-----------|-----------|
| Depth | 0 cm | 50 cm | 15 cm | 50 cm |
| Date | 11/18/88 | 05/11/90 | 05/11/90 | 05/14/90 |
| Analytes | | | | |
| Semi-volatiles | | | | |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | < 9.01 | < 9.01 | < 9.01 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfonide | < 4.81 | < 4.81 | < 4.81 | < 4.81 |
| 4-Chlorophenylmethyl Sulfonide (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Aldrin | 0.0140 | < 0.00211 | < 0.00211 | < 0.00211 |
| Aldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Atrazine | MA | R | R | R |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Benzothiazole | < 2.04 | < 2.04 | < 2.04 | < 2.04 |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | < 1.10 | < 1.10 | < 1.10 |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.115 | < 0.0230 | < 0.0230 | 0.0374 |
| Chlordane (GCMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dicyclopentadiene | MA | < 0.450 | < 0.450 | < 0.450 |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dieldrin | 0.0250 | 0.0126 | < 0.00181 | < 0.00181 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |

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above the Maximum Reporting Limit.

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Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0981SE | MA1152SE | MA1153SE | MA1155SE |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 0 cm | 60 cm | 15 cm | 50 cm |
| Date | 11/18/88 | 05/11/90 | 05/11/90 | 05/16/90 |
| Analytes | MA | MA | MA | MA |
| Semivolatiles | | | | |
| Diisopropyl Methylphosphonate | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Diisopropyl Methylphosphonate (GDMS) | MA | MA | MA | MA |
| Dimethylmethyl Phosphonate | < 1.45 | < 1.45 | < 1.45 | < 1.45 |
| Dichlorane | < 0.400 | < 0.400 | < 0.400 | < 0.400 |
| Dichlorane (GDMS) | | | | |
| Endrin | < 0.0290 | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin (GDMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00900 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GDMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00550 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GDMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Malathion | MA | R | R | R |
| Malathion (GDMS) | < 0.700 | < 0.700 | < 0.700 | < 0.700 |
| Parathion | MA | R | R | R |
| Parathion (GDMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| Supona | MA | R | R | R |
| Supona (GDMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0981SE | MA1152SE | MA1153SE | MA1155SE |
|-------------------------------------------|----------|----------|----------|----------|
| Depth | 0 cm | 60 cm | 15 cm | 50 cm |
| Date | 11/18/88 | 05/11/90 | 05/11/90 | 05/14/90 |
| Analytes | MA | R | R | R |
| Semi-volatiles | | | | |
| Vapors | < 3.00 | < 3.00 | < 3.00 | < 3.00 |
| Vapors (GC/MS) | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.0080 | < 0.200 | < 0.200 | < 0.200 |
| 1,1,1-Trichloroethane (GC/MS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | < 0.260 | < 0.330 | < 0.330 | < 0.330 |
| 1,1,2-Trichloroethane (GC/MS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane (GC/MS) | < 0.0740 | < 0.490 | < 0.490 | < 0.490 |
| 1,1-Dichloroethane | | | | |
| 1,1-Dichloroethane (GC/MS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 0.240 | < 0.270 | < 0.270 | < 0.270 |
| 1,2-Dichloroethane | < 0.0850 | < 0.320 | < 0.320 | < 0.320 |
| 1,2-Dichloroethane (GC/MS) | MA | MA | MA | MA |
| 1,2-Dichloroethanes (cis & trans) | < 0.260 | < 0.320 | < 0.320 | < 0.320 |
| 1,2-Dichloroethanes (cis & trans) (GC/MS) | | | | |
| Benzene | MA | MA | MA | MA |
| Benzene (GC/MS) | < 0.0650 | < 0.100 | < 0.100 | < 0.100 |
| Carbon Tetrachloride | MA | MA | MA | MA |
| Carbon Tetrachloride (GC/MS) | < 0.120 | < 0.310 | < 0.310 | < 0.310 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

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> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table 01 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0901SE | MA1152SE | MA1153SE | MA1155SE |
|------------------------------|----------|-----------|----------|-----------|
| Depth | 0 cm | 60 cm | 15 cm | 50 cm |
| Date | 11/18/88 | 05/11/90 | 05/11/90 | 05/14/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chlorobenzene | < 0.200 | < 0.100 | < 0.100 | < 0.100 |
| Chlorobenzene (GCMS) | MA | MA | MA | MA |
| Chloroform | < 0.0600 | < 0.240 | < 0.240 | < 0.240 |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | 0.240 | < 0.00500 | 0.00682 | < 0.00500 |
| Dibromochloropropane (GCMS) | | | | |
| Dimethyl Disulfide | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Dimethyl Disulfide (GCMS) | < 3.12 | < 3.12 | < 3.12 | < 3.12 |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | < 0.160 | < 0.190 | < 0.190 | < 0.190 |
| | MA | MA | MA | MA |
| M-Xylene | < 0.260 | < 0.230 | < 0.230 | < 0.230 |
| M-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | < 3.70 | < 4.40 | < 4.40 | < 4.40 |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | < 0.640 | < 0.640 | < 0.640 |
| Methylisobutyl Ketone (GCMS) | | | | |
| O,P-Xylene | MA | MA | MA | MA |
| | < 0.390 | < 0.780 | < 0.780 | < 0.780 |

Notes: Values are reported in micrograms per gram.

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> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA0981SE | MA1152SE | MA1153SE | MA1155SE |
|--------------------------|----------|----------|----------|----------|
| Depth | 0 cm | 60 cm | 15 cm | 50 cm |
| Date | 11/18/88 | 05/11/90 | 05/11/90 | 05/14/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Volatiles | | | | |
| O,P-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | < 0.270 | < 0.160 | < 0.160 | < 0.160 |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |
| Toluene | < 0.198 | < 0.100 | < 0.100 | < 0.100 |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | < 0.140 | < 0.250 | < 0.250 | < 0.250 |
| Trichloroethene (GCMS) | MA | MA | MA | MA |
| Vinyl Chloride | MA | < 1.80 | < 1.80 | < 1.80 |

Notes: Values are reported in micrograms per gram.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1157SE | MA1157SE | MA1159SE | MA1159SE |
|--------------------------------------------------------------|-----------|----------|-----------|----------|
| Depth | 30 cm | 4 cm | 15 cm | 4 cm |
| Date | 05/16/90 | 06/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | MA | 3.26 | MA |
| Cadmium | < 1.20 | MA | < 1.20 | MA |
| Chromium | 77.8 | MA | 40.9 | MA |
| Copper | 14.4 | MA | 14.2 | MA |
| Cyanide | R | MA | R | MA |
| Lead | 25.2 | MA | 44.5 | MA |
| Mercury | 0.138 | MA | 0.0661 | MA |
| Total Organic Carbon | 4150 | MA | 2270 | MA |
| Zinc | 69.1 | MA | 123 | MA |
| <hr/> | | | | |
| Semi-volatiles | | | | |
| 1,4-Oxathiane | < 1.74 | MA | < 1.74 | MA |
| 1,4-Oxathiane (GCMS) | < 0.300 | MA | < 0.300 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.00277 | MA | 0.00500 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | < 0.500 | MA | < 0.500 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) | < 0.00466 | MA | < 0.00466 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS) | < 0.600 | MA | < 0.600 | MA |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | MA | < 4.40 | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | MA | < 0.900 | MA |

Notes: Values are reported in micrograms per gram.
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 MA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1157SE | MA1157SE | MA1159SE | MA1159SE |
|----------------------------------------|-----------|----------|-----------|----------|
| Depth | 30 cm | 4 cm | 15 cm | 4 cm |
| Date | 05/16/90 | 06/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | MA | < 9.01 | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | MA | < 0.300 | MA |
| 4-Chlorophenylmethyl Sulfoxide | < 4.81 | MA | < 4.81 | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | MA | < 0.300 | MA |
| Aldrin | < 0.00211 | MA | < 0.00211 | MA |
| Aldrin (GCMS) | < 0.300 | MA | < 0.300 | MA |
| Atrazine | R | MA | R | MA |
| Atrazine (GCMS) | < 0.300 | MA | < 0.300 | MA |
| Benothiazole | < 2.04 | MA | < 2.04 | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | < 1.10 | MA | < 1.10 | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | MA | 0.0733 | MA |
| Chlordane (GCMS) | < 2.00 | MA | < 2.00 | MA |
| Dicyclopentadiene | < 0.450 | MA | < 0.450 | MA |
| Dicyclopentadiene (GCMS) | < 1.00 | MA | < 1.00 | MA |
| Dieldrin | < 0.00181 | MA | 0.00624 | MA |
| Dieldrin (GCMS) | < 0.300 | MA | < 0.300 | MA |

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 d.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1157SE | MA1157SE | MA1159SE | MA1159SE |
|--------------------------------------|-----------|----------|-----------|----------|
| Depth | 30 cm | 4 cm | 15 cm | 4 cm |
| Date | 05/16/90 | 06/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| Semivolatiles | MA | MA | MA | MA |
| Diisopropyl Methylphosphonate | < 1.00 | MA | < 1.00 | MA |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | MA | MA |
| Dimethylmethyl Phosphonate | < 1.45 | MA | < 1.45 | MA |
| Dithiane | < 0.400 | MA | < 0.400 | MA |
| Dithiane (GCMS) | | | | |
| Endrin | < 0.00471 | MA | < 0.00471 | MA |
| Endrin (GCMS) | < 0.500 | MA | < 0.500 | MA |
| Hexachlorocyclopentadiene | < 0.00137 | MA | < 0.00137 | MA |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | MA | < 0.600 | MA |
| Isodrin | < 0.00188 | MA | < 0.00188 | MA |
| Isodrin (GCMS) | < 0.300 | MA | < 0.300 | MA |
| Malathion | R | MA | R | MA |
| Malathion (GCMS) | < 0.700 | MA | < 0.700 | MA |
| Parathion | R | MA | R | MA |
| Parathion (GCMS) | < 0.900 | MA | < 0.900 | MA |
| Supona | R | MA | R | MA |
| Supona (GCMS) | < 0.600 | MA | < 0.600 | MA |

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rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1157SE | MA1157SE | MA1159SE | MA1159SE |
|------------------------------------------|-------------|----------|-------------|----------|
| Depth | 30 cm | 4 cm | 15 cm | 4 cm |
| Date | 05/16/90 | 06/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Vapors | | | | |
| Vapors (GCMS) | R
< 3.00 | MA
MA | R
< 3.00 | MA
MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.200 | < 0.200 | < 0.200 | < 0.200 |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | < 0.330 | < 0.330 | < 0.330 | < 0.330 |
| 1,1,2-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 0.490 | < 0.490 | < 0.490 | < 0.490 |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 0.270 | < 0.270 | < 0.270 | < 0.270 |
| 1,2-Dichloroethane | < 0.320 | < 0.320 | < 0.320 | < 0.320 |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethanes (cis & trans) | < 0.320 | < 0.320 | < 0.320 | < 0.320 |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | MA | MA | MA | MA |
| Benzene | < 0.100 | < 0.100 | < 0.100 | < 0.100 |
| Benzene (GCMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | < 0.310 | < 0.310 | < 0.310 | < 0.310 |
| Carbon Tetrachloride (GCMS) | MA | MA | MA | MA |

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Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1157SE | MA1157SE | MA1159SE | MA1159SE |
|------------------------------|-----------|----------|-----------|----------|
| Depth | 30 cm | 4 cm | 15 cm | 4 cm |
| Date | 05/16/90 | 06/16/90 | 05/16/90 | 06/16/90 |
| Analytes | | | | |
| Volatiles | < 0.100 | < 0.100 | < 0.100 | < 0.100 |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GCMS) | < 0.240 | < 0.240 | < 0.240 | < 0.240 |
| Chloroform | MA | MA | MA | MA |
| Chloroform (GCMS) | < 0.00500 | MA | < 0.00500 | MA |
| Dibromochloropropane | | | | |
| Dibromochloropropane (GCMS) | < 0.300 | MA | < 0.300 | MA |
| Dimethyl Disulfide | < 3.12 | MA | < 3.12 | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | < 0.190 | < 0.190 | < 0.190 | < 0.190 |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| m-Xylene | | | | |
| m-Xylene (GCMS) | < 0.230 | < 0.230 | < 0.230 | < 0.230 |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | < 0.640 | < 0.630 | < 0.640 | < 0.630 |
| O,p-Xylene | | | | |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,p-Xylene | < 0.780 | < 0.780 | < 0.780 | < 0.780 |

Notes: Values are reported in micrograms per gram.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were
rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1157SE | MA1157SE | MA1159SE | MA1159SE |
|--------------------------|----------|----------|----------|----------|
| Depth | 30 cm | 4 cm | 15 cm | 4 cm |
| Date | 05/16/90 | 06/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| Volatiles | MA | MA | MA | MA |
| O,P-Xylene (GCMS) | < 0.160 | < 0.160 | < 0.160 | < 0.160 |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | < 0.100 | < 0.100 | < 0.100 | < 0.100 |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | < 1.80 | < 1.80 | < 1.80 | < 1.80 |
| Vinyl Chloride | | | | |

Notes: Values are reported in micrograms per gram.

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above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were
reanalyzed.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1180SE | MA1181SE | MA1182SE | MA1182SE |
|--------------------------------------------------------------|-----------|----------|-----------|----------|
| Depth | 60 cm | 60 cm | 60 cm | 4 cm |
| Date | 05/11/90 | 05/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | < 2.50 | MA |
| Cadmium | < 1.20 | 1.73 | < 1.20 | MA |
| Chromium | 47.5 | 80.3 | 26.1 | MA |
| Copper | 44.8 | 53.5 | 13.3 | MA |
| Cyanide | R | R | R | MA |
| Lead | 81.9 | 90.0 | 32.5 | MA |
| Mercury | 0.217 | 0.305 | 0.188 | MA |
| Total Organic Carbon | 14280 | 5070 | 4940 | MA |
| Zinc | 275 | 283 | 126 | MA |
|
 | | | | |
| Semivolatiles | | | | |
| 1,4-Guathiane | MA | < 1.74 | < 1.74 | MA |
| 1,4-Oxathiane (GDMS) | < 0.300 | < 0.300 | < 0.300 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 8.00277 | 0.0148 | < 0.00277 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GDMS) | < 0.500 | < 0.500 | < 0.500 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) | < 0.00466 | 0.00901 | < 0.00466 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (GDMS) | < 0.600 | < 0.600 | < 0.600 | MA |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | < 4.40 | < 4.40 | MA |
| 4-Chlorophenylmethyl Sulfide (GDMS) | < 0.900 | < 0.900 | < 0.900 | MA |

Notes: Values are reported in micrograms per gram.

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or above the Certified Reporting Limit.> -- Indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table 01 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1180SE | MA1181SE | MA1182SE | MA1182SE |
|----------------------------------------|-----------|-----------|-----------|----------|
| Depth | 60 cm | 60 cm | 60 cm | 4 cm |
| Date | 05/11/90 | 05/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | < 9.01 | < 9.01 | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | < 0.300 | MA |
| 4-Chlorophenylmethyl Sulfoxide | < 4.81 | < 4.81 | < 4.81 | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | < 0.300 | < 0.300 | MA |
| Aldrin | < 0.00211 | < 0.00211 | < 0.00211 | MA |
| Aldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | MA |
| Atrazine | R | R | R | MA |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 | MA |
| Benothiazole | < 2.04 | < 2.04 | < 2.04 | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | < 1.10 | < 1.10 | < 1.10 | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | 0.0775 | < 0.0230 | MA |
| Chlordane (GCMS) | < 2.80 | < 2.00 | < 2.00 | MA |
| Dicyclopentadiene | < 0.450 | < 0.450 | < 0.450 | MA |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 | MA |
| Dieldrin | < 0.00181 | 0.00685 | < 0.00181 | MA |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | MA |

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above the Maximum Reporting Limit.

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re-analyzed.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1180SE | MA1181SE | MA1182SE | MA1182SE |
|--------------------------------------|-----------|-----------|-----------|----------|
| Depth | 60 cm | 60 cm | 60 cm | 4 cm |
| Date | 05/11/90 | 05/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Semi-volatiles | MA | MA | MA | MA |
| Diisopropyl Methylphosphonate | < 1.00 | < 1.00 | < 1.00 | MA |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | MA | MA |
| Dimethylmethyl Phosphonate | < 1.45 | < 1.45 | < 1.45 | MA |
| Dithiane | < 0.400 | < 0.400 | < 0.400 | MA |
| Dithiane (GCMS) | | | | |
| Endrin | < 0.00471 | 0.00925 | < 0.00471 | MA |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 | MA |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | MA |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 | MA |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | MA |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | MA |
| Malathion | R | R | R | MA |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 | MA |
| Parathion | R | R | R | MA |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 | MA |
| Supona | R | R | R | MA |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | NA1180SE | NA1181SE | NA1182SE | NA1182SE |
|------------------------------------------|-------------|-------------|-------------|----------|
| Depth | 60 cm | 60 cm | 60 cm | 4 cm |
| Date | 05/11/90 | 05/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Vapors | | | | |
| Vapors (GCMS) | R
< 3.00 | R
< 3.00 | R
< 3.00 | MA
MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.200 | < 0.200 | < 0.200 | < 0.200 |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | < 0.330 | < 0.330 | < 0.330 | < 0.330 |
| 1,1,2-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 0.490 | < 0.490 | < 0.490 | < 0.490 |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | < 0.270 | < 0.270 | < 0.270 | < 0.270 |
| 1,2-Dichloroethane | < 0.320 | < 0.320 | < 0.320 | < 0.320 |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethanes (cis & trans) | < 0.320 | < 0.320 | < 0.320 | < 0.320 |
| 1,2-Dichloroethanes (cis & trans) (GCMS) | MA | MA | MA | MA |
| Benzene | < 0.100 | < 0.100 | < 0.100 | < 0.100 |
| Benzene (GCMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | < 0.310 | < 0.310 | < 0.310 | < 0.310 |
| Carbon Tetrachloride (GCMS) | MA | MA | MA | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | NA1100SE | NA1181SE | NA1182SE | NA1182SE |
|------------------------------|-----------|-----------|-----------|----------|
| Depth | 60 cm | 60 cm | 60 cm | 4 cm |
| Date | 05/11/90 | 05/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| Volatiles | < 0.100 | < 0.100 | < 0.100 | < 0.100 |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GCMS) | < 0.240 | < 0.240 | < 0.240 | < 0.240 |
| Chloroform | MA | MA | MA | MA |
| Chloroform (GCMS) | < 0.00500 | < 0.00500 | < 0.00500 | MA |
| Dibromochloropropane | | | | |
| Dibromochloropropane (GCMS) | < 0.300 | < 0.300 | < 0.300 | MA |
| Dimethyl Disulfide | < 3.12 | < 3.12 | < 3.12 | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | < 0.190 | < 0.190 | < 0.190 | < 0.190 |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| m-Xylene | | | | |
| m-Xylene (GCMS) | < 0.230 | < 0.230 | < 0.230 | < 0.230 |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | < 0.640 | < 0.640 | < 0.640 | < 0.630 |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| o,p-Xylene | < 0.780 | < 0.780 | < 0.780 | < 0.780 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1180SE | MA1181SE | MA1182SE | MA1182SE |
|--------------------------|----------|----------|----------|----------|
| Depth | 60 cm | 60 cm | 60 cm | 4 cm |
| Date | 05/11/90 | 05/14/90 | 05/16/90 | 06/14/90 |
| Analytes | | | | |
| Volatiles | | | | |
| O,P-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | < 0.160 | < 0.160 | < 0.160 | < 0.160 |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |
| Toluene | < 0.100 | < 0.100 | < 0.100 | < 0.100 |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Trichloroethene (GCMS) | MA | MA | MA | MA |
| Vinyl Chloride | < 1.80 | < 1.80 | < 1.80 | < 1.80 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

rd.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1183SE | MA1184SE | MA1187SE |
|--------------------------------------------------------------|-----------|----------|----------|
| Depth | 60 cm | 120 cm | 244 cm |
| Date | 05/14/90 | 05/14/90 | 05/10/90 |
| Analytes | | | |
| <hr/> | | | |
| Metals/Anions/General Chem | | | |
| Arsenic | < 2.50 | < 2.50 | < 2.50 |
| Cadmium | < 1.20 | 3.33 | < 1.20 |
| Chromium | 68.6 | 59.7 | 62.5 |
| Copper | 41.2 | 51.4 | 54.1 |
| Cyanide | R | R | R |
| Lead | 94.1 | 109 | 90.6 |
| Mercury | 0.297 | 0.416 | 0.196 |
| Total Organic Carbon | 5000 | 5070 | 16600 |
| Zinc | 267 | 337 | 242 |
| <hr/> | | | |
| SemiVolatiles | | | |
| 1,4-naphthene | < 1.74 | < 1.74 | < 1.74 |
| 1,4-Quathiane (GCMS) | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.00277 | 0.0215 | 0.0118 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | < 0.500 | < 0.500 | < 0.500 |
| 2,2-Bis(parachlorophenyl)-1,1-0chloroethene (DOE) | < 0.00466 | 0.00679 | 0.00669 |
| 2,2-Bis(parachlorophenyl)-1,1-0chloroethene (DOE) (GCMS) | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | < 4.40 | < 4.40 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | < 0.900 | < 0.900 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1183SE | MA1184SE | MA1187SE |
|----------------------------------------|-----------|----------|-----------|
| Depth | 60 cm | 120 cm | 244 cm |
| Date | 05/14/90 | 05/14/90 | 05/10/90 |
| Analytes | | | |
| <hr/> | | | |
| Semivolatiles | | | |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | < 9.01 | < 9.01 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | < 4.81 | < 4.81 | < 4.81 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | < 0.300 | < 0.300 |
| Aldrin | < 0.00211 | 0.0102 | < 0.00211 |
| <hr/> | | | |
| Aldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 |
| Atrazine | R | R | R |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 |
| Benzothiazole | < 2.04 | < 2.04 | < 2.04 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 1.10 | < 1.10 | < 1.10 |
| <hr/> | | | |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA |
| Chlordane | < 0.0230 | 0.0376 | 0.0645 |
| Chlordane (GCMS) | < 2.00 | < 2.00 | < 2.00 |
| Dicyclopentadiene | < 0.450 | < 0.450 | < 0.450 |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| <hr/> | | | |
| Dieldrin | < 0.00181 | 0.00515 | 0.0102 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 |

Notes: Values are reported in micrograms per gram.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

rd.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1183SE | MA1184SE | MA1187SE |
|--------------------------------------|-----------|-----------|-----------|
| Depth | 68 cm | 120 cm | 244 cm |
| Date | 05/14/90 | 05/14/90 | 05/10/90 |
| Analytes | | | |
| <hr/> | | | |
| Semivolatiles | | | |
| Diisopropyl Methylphosphonate | MA | MA | MA |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | < 1.00 |
| Dimethylmethyl Phosphonate | MA | MA | MA |
| Dithiane | < 1.45 | < 1.45 | < 1.45 |
| Dithiane (GCMS) | < 0.400 | < 0.400 | < 0.400 |
| Endrin | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 |
| Malathion | R | R | R |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 |
| Parathion | R | R | R |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 |
| Supona | R | R | R |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1183SE | MA1184SE | MA1187SE |
|-------------------------------------------|-------------|-------------|-------------|
| Depth | 60 cm | 120 cm | 244 cm |
| Date | 05/14/90 | 05/14/90 | 05/10/90 |
| Analytes | | | |
| Semivolatiles | | | |
| Vapors | | | |
| Vapors (GC/MS) | R
< 3.00 | R
< 3.00 | R
< 3.00 |
| Volatiles | | | |
| 1,1,1-Trichloroethane | < 0.200 | < 0.200 | < 0.200 |
| 1,1,1-Trichloroethane (GC/MS) | MA | MA | MA |
| 1,1,2-Trichloroethane | < 0.330 | < 0.330 | < 0.330 |
| 1,1,2-Trichloroethane (GC/MS) | MA | MA | MA |
| 1,1-Dichloroethane | < 0.490 | < 0.490 | < 0.490 |
| 1,1-Dichloroethane (GC/MS) | MA | MA | MA |
| 1,1-Dichloroethane | < 0.270 | < 0.270 | < 0.270 |
| 1,2-Dichloroethane | < 0.320 | < 0.320 | < 0.320 |
| 1,2-Dichloroethane (GC/MS) | MA | MA | MA |
| 1,2-Dichloroethanes (cis & trans) | < 0.320 | < 0.320 | < 0.320 |
| 1,2-Dichloroethanes (cis & trans) (GC/MS) | MA | MA | MA |
| Benzene | EA | MA | MA |
| Benzene (GC/MS) | < 0.100 | < 0.100 | < 0.100 |
| Carbon Tetrachloride | MA | MA | MA |
| Carbon Tetrachloride (GC/MS) | < 0.310 | < 0.310 | < 0.310 |
| | MA | MA | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table D1 Stream-Bottom Sediment
Investigative Analytical Data

| Sample ID | MA1183SE | MA1184SE | MA1187SE |
|------------------------------|-----------|-----------|-----------|
| Depth | 60 cm | 120 cm | 244 cm |
| Date | 05/14/90 | 05/14/90 | 05/10/90 |
| Analytes | | | |
| Volatiles | | | |
| Chlorobenzene | < 0.100 | < 0.100 | < 0.100 |
| Chlorobenzene (GDMS) | MA | MA | MA |
| Chloroform | < 0.240 | < 0.240 | < 0.240 |
| Chloroform (GDMS) | MA | MA | MA |
| Dibromochloropropane | < 0.00500 | < 0.00500 | < 0.00500 |
| Dibromochloropropane (GDMS) | < 0.300 | < 0.300 | < 0.300 |
| Dimethyl Disulfide | < 3.12 | < 3.12 | < 3.12 |
| Dimethyl Disulfide (GDMS) | MA | MA | MA |
| Ethyl Benzene | < 0.190 | < 0.190 | < 0.190 |
| Ethyl Benzene (GDMS) | MA | MA | MA |
| m-Xylene | < 0.230 | < 0.230 | < 0.230 |
| m-Xylene (GDMS) | MA | MA | MA |
| Methylene Chloride | < 4.40 | < 4.40 | < 4.40 |
| Methylene Chloride (GDMS) | MA | MA | MA |
| Methylisobutyl Ketone | < 0.640 | < 0.640 | < 0.640 |
| Methylisobutyl Ketone (GDMS) | MA | MA | MA |
| o,p-Xylene | < 0.780 | < 0.780 | < 0.780 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- Indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table 01 Stream-Bottom Sediment
Investigative Analytical Data

| | | | |
|-------------------------|----------|----------|----------|
| Sample ID | MA1183SE | MA1184SE | MA1187SE |
| Depth | 60 cm | 120 cm | 244 cm |
| Date | 05/14/90 | 05/14/90 | 05/10/90 |
| Analytes | | | |
| ----- | | | |
| Volatiles | | | |
| 0,P-Xylene (GWS) | MA | MA | MA |
| Tetrachloroethene | < 0.160 | < 0.160 | < 0.160 |
| Tetrachloroethene (GWS) | MA | MA | MA |
| Toluene | < 0.100 | < 0.100 | < 0.100 |
| Toluene (GWS) | MA | MA | MA |
| Trichloroethene | < 0.250 | < 0.250 | < 0.250 |
| Trichloroethene (GWS) | MA | MA | MA |
| Vinyl Chloride | < 1.80 | < 1.80 | < 1.80 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

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> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table D2 Stream-Bottom Sediment
GC/MS Analytical Data

| Sample ID | MA1194SE | MA1195SE | MA1195SE |
|--------------------------------------------------------------|----------|----------|----------|
| Depth | 15 cm | 30 cm | 4 cm |
| Date | 05/11/90 | 05/16/90 | 06/14/90 |
| | GC/MS of | GC/MS of | GC/MS of |
| | MA1193SE | MA1157SE | MA1157SE |
| Analytes | | | |
| Semivolatiles | | | |
| 1,4-Dioxane (GCMS) | < 0.300 | < 0.300 | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | < 0.500 | < 0.500 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS) | < 0.600 | < 0.600 | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | < 0.900 | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | MA |
| 4-Chlorophenylmethyl Sulfonide (GCMS) | < 0.300 | < 0.300 | MA |
| Aldrin (GCMS) | < 0.300 | < 0.300 | MA |
| Atrazine (GCMS) | < 0.300 | < 0.300 | MA |
| Chlordane (GCMS) | < 2.00 | < 2.00 | MA |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | MA |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | MA |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | MA |
| Dithiane (GCMS) | < 0.400 | < 0.400 | MA |
| Endrin (GCMS) | < 0.500 | < 0.500 | MA |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | MA |
| Isodrin (GCMS) | < 0.300 | < 0.300 | MA |
| Malathion (GCMS) | < 0.700 | < 0.700 | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

Table D2 Stream-Bottom Sediment
GC/MS Analytical Data

| Sample ID | MA1104SE | MA1195SE | MA1195SE |
|-----------------------------------|----------------------|----------------------|----------------------|
| Depth | 15 cm | 30 cm | 4 cm |
| Date | 05/11/90 | 05/16/90 | 06/14/90 |
| Analytes | GC/MS of
MA1153SE | GC/MS of
MA1157SE | GC/MS of
MA1157SE |
| <hr/> | | | |
| Semivolatiles | | | |
| Parathion (GC/MS) | < 0.900 | < 0.900 | MA |
| Supona (GC/MS) | < 0.600 | < 0.600 | MA |
| Vepora (GC/MS) | < 3.00 | < 3.00 | MA |
| <hr/> | | | |
| Volatiles | | | |
| 1,1,1-Trichloroethane | < 0.200 | < 0.200 | < 0.200 |
| 1,1,2-Trichloroethane | < 0.330 | < 0.330 | < 0.330 |
| 1,1-θichloroethane | < 0.490 | < 0.490 | < 0.490 |
| 1,1-θichloroethane | < 0.270 | < 0.270 | < 0.270 |
| 1,2-θichloroethane | < 0.320 | < 0.320 | < 0.320 |
| <hr/> | | | |
| 1,2-θichloroethenes (cis & trans) | < 0.320 | < 0.320 | < 0.320 |
| Benzene | < 0.100 | < 0.100 | < 0.100 |
| Carbon Tetrachloride | < 0.310 | < 0.310 | < 0.310 |
| Chlorobenzene | < 0.100 | < 0.100 | < 0.100 |
| Chloroform | < 0.240 | < 0.240 | < 0.240 |
| <hr/> | | | |
| Dibromochloropropane (GC/MS) | < 0.300 | < 0.300 | MA |
| Ethyl Benzene | < 0.190 | < 0.190 | < 0.190 |
| N-Xylene | < 0.230 | < 0.230 | < 0.230 |
| Methylene Chloride | < 4.40 | < 4.40 | < 4.40 |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.

Table D2 Stream-Bottom Sediment
GC/MS Analytical Data

| Sample ID | MA1194SE | MA1195SE | MA1195SE |
|-----------------------|----------|----------|----------|
| Depth | 15 cm | 30 cm | 4 cm |
| Date | 05/11/90 | 05/16/90 | 06/14/90 |
| | GC/MS of | GC/MS of | GC/MS of |
| | MA1153SE | MA1157SE | MA1157SE |
| Analytes | | | |
| Volatiles | < 0.630 | < 0.630 | < 0.630 |
| Methylisobutyl Ketone | < 0.780 | < 0.780 | < 0.780 |
| O,p-Xylene | < 0.160 | < 0.160 | < 0.160 |
| Tetrachloroethene | < 0.100 | < 0.100 | < 0.100 |
| Toluene | < 0.250 | < 0.250 | < 0.250 |
| Trichloroethene | | | |
| Vinyl Chloride | < 1.80 | < 1.80 | < 1.80 |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.

Table D3 Stream-Bottom Sediment
Duplicate Analytical Data

| Sample ID | MA1192SE | MA1192SE | MA1193SE |
|--------------------------------------------------------------|-----------|----------|-----------|
| Depth | 60 cm | 4 cm | 244 cm |
| Date | 05/16/90 | 06/14/90 | 05/10/90 |
| | Dup of | Dup of | Dup of |
| | MA1187SE | MA1182SE | MA1187SE |
| Analytes | | | |
| Metals/Anions/General Chem | | | |
| Arsenic | < 2.50 | MA | < 2.50 |
| Cadmium | < 1.20 | MA | 1.97 |
| Chromium | 30.1 | MA | 71.2 |
| Copper | 16.9 | MA | 63.5 |
| Cyanide | R | MA | R |
| Lead | 40.9 | MA | 100 |
| Mercury | 0.120 | MA | 0.240 |
| Total Organic Carbon | 6810 | MA | 18300 |
| Zinc | 115 | MA | 280 |
| Semivolatiles | | | |
| 1,4-Dioxane | < 1.74 | MA | < 1.74 |
| 1,4-Dioxane (CONS) | < 0.300 | MA | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.00277 | MA | 0.00515 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (CONS) | < 0.500 | MA | < 0.500 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) | < 0.00466 | MA | < 6.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) (CONS) | < 0.600 | MA | < 0.600 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- Indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

Dup -- Duplicate

R -- Data did not meet quality control criteria and are rejected.

Table D3 Stream-Bottom Sediment
Duplicate Analytical Data

| Sample ID | MA1192SE | MA1192SE | MA1193SE |
|---------------------------------------|-----------|----------|-----------|
| Depth | 60 cm | 4 cm | 244 cm |
| Date | 05/16/90 | 06/14/90 | 05/10/90 |
| | Dup of | Dup of | Dup of |
| | MA1187SE | MA1182SE | MA1187SE |
| Analytes | | | |
| Semivolatiles | | | |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | MA | < 4.40 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | MA | < 0.900 |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | MA | < 9.01 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | MA | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | < 4.81 | MA | < 4.81 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | MA | < 0.300 |
| Aldrin | < 0.00211 | MA | < 0.00211 |
| Aldrin (GCMS) | < 0.300 | MA | < 0.300 |
| Atrazine | R | MA | R |
| Benothiazole | < 2.04 | MA | < 2.04 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 1.10 | MA | < 1.10 |
| Chlordane | < 0.0230 | MA | < 0.0230 |
| Chlordane (GCMS) | < 2.00 | MA | < 2.00 |
| Dicyclopentadiene | < 0.450 | MA | < 0.450 |
| Dicyclopentadiene (GCMS) | < 1.00 | MA | < 1.00 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

Dup -- Duplicate

R -- Data did not meet quality control criteria and were

red.

Table D3 Stream-Bottom Sediment
Duplicate Analytical Data

| Sample ID | MA1192SE | MA1192SE | MA1193SE |
|--------------------------------------|-----------|----------|-----------|
| Depth | 60 cm | 4 cm | 244 cm |
| Date | 05/16/90 | 06/14/90 | 05/10/90 |
| | Dup of | Dup of | Dup of |
| | MA1187SE | MA1182SE | MA1187SE |
| Analytes | | | |
| Semivolatiles | | | |
| Dieldrin | 0.00501 | NA | 0.00495 |
| Dieldrin (GCMS) | < 0.300 | NA | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | NA | < 1.00 |
| Dichlorane | < 1.45 | NA | < 1.45 |
| Dichlorane (GCMS) | < 0.400 | NA | < 0.400 |
| Endrin | < 0.00471 | NA | 0.00797 |
| Endrin (GCMS) | < 0.500 | NA | < 0.500 |
| Hexachlorocyclopentadiene | 0.0528 | NA | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | NA | < 0.600 |
| Isodrin | < 0.00188 | NA | < 0.00188 |
| Isodrin (GCMS) | < 0.300 | NA | < 0.300 |
| Malathion | R | NA | R |
| Parathion | R | NA | R |
| Supona | R | NA | R |
| Vespona | R | NA | R |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

Dup -- Duplicate

R -- Data did not meet quality control criteria and were
rejected.

Table D3 Stream-Bottom Sediment
Duplicate Analytical Data

| Sample ID
Depth
Date | MA1192SE
60 cm
05/16/90
Dup of
MA1187SE | MA1192SE
4 cm
06/16/90
Dup of
MA1182SE | MA1193SE
244 cm
05/10/90
Dup of
MA1187SE |
|-----------------------------------|-----------------------------------------------------|----------------------------------------------------|------------------------------------------------------|
| Analytes | | | |
| Volatiles | | | |
| 1,1,1-Trichloroethane | < 0.200 | < 0.200 | < 0.200 |
| 1,1,2-Trichloroethane | < 0.330 | < 0.330 | < 0.330 |
| 1,1-Dichloroethane | < 0.490 | < 0.490 | < 0.490 |
| 1,1-Dichloroethene | < 0.270 | < 0.270 | < 0.270 |
| 1,2-Dichloroethane | < 0.320 | < 0.320 | < 0.320 |
| 1,2-Dichloroethenes (cis & trans) | < 0.320 | < 0.320 | < 0.320 |
| Benzene | < 0.100 | < 0.100 | < 0.100 |
| Carbon Tetrachloride | < 0.310 | < 0.310 | < 0.310 |
| Chlorobenzene | < 0.100 | < 0.100 | < 0.100 |
| Chloroform | < 0.240 | < 0.240 | < 0.240 |
| Dibromochloropropane | < 0.00500 | NA | 0.0190 |
| Dibromochloropropane (EUS) | < 0.300 | NA | < 0.300 |
| Dimethyl Disulfide | < 3.12 | NA | < 3.12 |
| Ethyl Benzene | < 0.190 | < 0.190 | < 0.190 |
| m-Xylene | < 0.230 | < 0.230 | < 0.230 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed

Dup -- Duplicate

R -- Data did not meet quality control criteria and were

ed

Table D3 Stream-Bottom Sediment
Duplicate Analytical Data

| Sample ID
Depth
Date | MA1192SE
60 cm
05/16/90
Dup of
MA1187SE | MA1192SE
4 cm
06/16/90
Dup of
MA1182SE | MA1193SE
244 cm
05/10/90
Dup of
MA1187SE |
|----------------------------|-----------------------------------------------------|----------------------------------------------------|------------------------------------------------------|
| Analytes | | | |
| Volatiles | < 4.40 | < 4.40 | < 4.40 |
| Methylene Chloride | < 0.640 | < 0.630 | < 0.640 |
| Methylisobutyl Ketone | < 0.780 | < 0.780 | < 0.780 |
| O,P-Xylene | < 0.160 | < 0.160 | < 0.160 |
| Tetrachloroethene | < 0.100 | < 0.100 | < 0.100 |
| Toluene | | | |
| Trichloroethene | 0.383 | 0.383 | < 0.250 |
| Vinyl Chloride | < 1.80 | < 1.80 | < 1.80 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

EA -- Not Analyzed.

Dup -- Duplicate

E -- Data did not meet quality control criteria and were rejected.

Appendix E
SURFICIAL AND SUBSURFACE SOIL ANALYTICAL DATA

LIST OF TABLES

Table No.

| | |
|----|-------------------------------------------------------------|
| E1 | Surficial and Subsurface Soil Investigative Analytical Data |
| E2 | Surficial and Subsurface Soil GC/MS Analytical Data |
| E3 | Surficial and Subsurface Soil Duplicate Analytical Data |
| E4 | Surficial and Subsurface Soil Background Analytical Data |

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0985S0 | MA0985S045 | MA0986S0 | MA0987S0 |
|--------------------------------------------------------------|-----------|------------|-----------|-----------|
| Depth | 15 cm | 137 cm | 15 cm | 15 cm |
| Date | 02/23/89 | 02/23/89 | 02/23/89 | 02/23/89 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| Cadmium | MA | MA | MA | MA |
| Calcium | MA | MA | MA | MA |
| Chromium | MA | MA | MA | MA |
| Copper | MA | MA | MA | MA |
| Iron | MA | MA | MA | MA |
| Lead | MA | MA | MA | MA |
| Magnesium | MA | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | MA | MA | MA | MA |
| Sodium | MA | MA | MA | MA |
| Zinc | MA | MA | MA | MA |
| <hr/> | | | | |
| Semivolatiles | | | | |
| 1,4-Oxathiane | < 1.74 | < 1.74 | < 1.74 | < 1.74 |
| 1,4-Oxathiane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.00200 | < 0.00200 | < 0.00200 | < 0.00200 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA098550 | MA09855045 | MA098650 | MA098750 |
|-----------------------------------------------------------|-----------|------------|-----------|-----------|
| Depth | 15 cm | 137 cm | 15 cm | 15 cm |
| Date | 02/23/89 | 02/23/89 | 02/23/89 | 02/23/89 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-dichloroethane (DDE) | < 0.00240 | < 0.00240 | < 0.00240 | < 0.00240 |
| 2,2-Bis(parachlorophenyl)-1,1-dichloroethane (DDE) (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | < 9.01 | < 9.01 | < 9.01 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | R | R | R | R |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Aldrin | < 0.00190 | < 0.00190 | < 0.00190 | < 0.00190 |
| Aldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Benzothiazole | < 2.04 | < 2.04 | < 2.04 | < 2.04 |
| Bicyclo (2,2,1) hepta-2,5-diene | MA | R | MA | MA |
| Bicyclo (2,2,1) hepta-2,5-diene (GCMS) | MA | < 0.360 | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dicyclopentadiene | MA | R | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
discarded.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0985S0 | MA0985S0A5 | MA0986S0 | MA0987S0 |
|--------------------------------------|-----------|------------|-----------|-----------|
| Depth | 15 cm | 137 cm | 15 cm | 15 cm |
| Date | 02/23/89 | 02/23/89 | 02/23/89 | 02/23/89 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dieldrin | 0.00704 | < 0.00330 | < 0.00330 | < 0.00330 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dithiane | < 1.45 | < 1.45 | < 1.45 | < 1.45 |
| Dithiane (GCMS) | < 0.400 | < 0.400 | < 0.400 | < 0.400 |
| Endrin | < 0.00580 | < 0.00580 | < 0.00580 | < 0.00580 |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00180 | < 0.00180 | < 0.00180 | < 0.00180 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00110 | < 0.00110 | < 0.00110 | < 0.00110 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 | < 0.700 |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Vapona (GCMS) | < 3.00 | < 3.00 | < 3.00 | < 3.00 |
| Volatiles | MA | < 0.0899 | MA | MA |
| 1,1,1-Trichloroethane | | | | |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0985SD | MA0985SD45 | MA0986SD | MA0987SD |
|------------------------------------------|----------|------------|----------|----------|
| Depth | 15 cm | 137 cm | 15 cm | 15 cm |
| Date | 02/23/89 | 02/23/89 | 02/23/89 | 02/23/89 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GDMS) | MA | < 0.430 | MA | MA |
| 1,1,2-Trichloroethane | MA | < 0.263 | MA | MA |
| 1,1,2-Trichloroethane (GDMS) | MA | < 0.390 | MA | MA |
| 1,1-Dichloroethane | MA | < 0.0740 | MA | MA |
| 1,1-Dichloroethane (GDMS) | MA | < 1.70 | MA | MA |
| 1,1-Dichloroethene | MA | < 0.240 | MA | MA |
| 1,2-Dichloroethane | MA | < 0.0850 | MA | MA |
| 1,2-Dichloroethane (GDMS) | MA | < 0.560 | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | MA | < 0.260 | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | MA | < 1.70 | MA | MA |
| Benzene | MA | < 0.0850 | MA | MA |
| Benzene (GDMS) | MA | < 0.250 | MA | MA |
| Carbon Tetrachloride | MA | < 0.120 | MA | MA |
| Carbon Tetrachloride (GDMS) | MA | < 0.250 | MA | MA |
| Chlorobenzene | MA | < 0.200 | MA | MA |
| Chlorobenzene (GDMS) | MA | < 1.50 | MA | MA |
| Chloroform | MA | < 0.0600 | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
retested.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0985SD | MA0985SD4S | MA0986SD | MA0987SD |
|------------------------------|----------|------------|----------|----------|
| Depth | 15 cm | 137 cm | 15 cm | 15 cm |
| Date | 02/23/89 | 02/23/89 | 02/23/89 | 02/23/89 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | MA | < 0.290 | MA | MA |
| Dibromochloropropane | R | R | R | R |
| Dibromochloropropane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Dimethyl Disulfide | < 3.12 | < 3.12 | < 3.12 | < 3.12 |
| Dimethyl Disulfide (GCMS) | MA | < 20.0 | MA | MA |
| Ethyl Benzene | MA | < 0.160 | MA | MA |
| Ethyl Benzene (GCMS) | MA | < 0.300 | MA | MA |
| m-Xylene | MA | < 0.260 | MA | MA |
| m-Xylene (GCMS) | MA | < 0.740 | MA | MA |
| Methylene Chloride | MA | < 3.70 | MA | MA |
| Methylene Chloride (GCMS) | MA | < 1.50 | MA | MA |
| Methylisobutyl Ketone | MA | R | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | < 0.730 | MA | MA |
| o,p-Xylene | MA | < 0.390 | MA | MA |
| o,p-Xylene (GCMS) | MA | < 4.90 | MA | MA |
| Tetrachloroethene | MA | < 0.270 | MA | MA |
| Tetrachloroethene (GCMS) | MA | < 0.250 | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0905S0 | MA0905S045 | MA0906S0 | MA0907S0 |
|------------------------|----------|------------|----------|----------|
| Depth | 15 cm | 137 cm | 15 cm | 15 cm |
| Date | 02/23/89 | 02/23/89 | 02/23/89 | 02/23/89 |
| Analytes | | | | |
| Volatiles | MA | < 0.190 | MA | MA |
| Toluene | MA | < 0.250 | MA | MA |
| Toluene (GCMS) | MA | < 0.140 | MA | MA |
| Trichloroethene | MA | < 0.540 | MA | MA |
| Trichloroethene (GCMS) | | | | |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were reanalyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0987S050 | MA0988S0 | MA0989A8 | MA0990A8 |
|--------------------------------------------------------------|------------|-----------|----------|----------|
| Depth | 152 cm | 15 cm | 3 cm | 3 cm |
| Date | 02/23/89 | 02/23/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | 3.59 | < 2.50 | < 2.50 |
| Cadmium | MA | MA | MA | MA |
| Calcium | MA | MA | MA | MA |
| Chromium | MA | MA | MA | MA |
| Copper | MA | MA | MA | MA |
| Iron | MA | MA | MA | MA |
| Lead | MA | MA | MA | MA |
| Magnesium | MA | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | 0.127 |
| Potassium | MA | MA | MA | MA |
| Sodium | MA | MA | MA | MA |
| Zinc | MA | MA | MA | MA |
| <hr/> | | | | |
| Semivolatiles | | | | |
| 1,4-Oxathiane | < 1.74 | < 1.74 | < 1.74 | < 1.74 |
| 1,4-Oxathiane (GDMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.00200 | < 0.00200 | 0.0535 | 0.230 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GDMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA09875050 | MA098850 | MA098948 | MA099048 |
|-----------------------------------------------------------|------------|-----------|----------|----------|
| Depth | 152 cm | 15 cm | 3 cm | 3 cm |
| Date | 02/23/89 | 02/23/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Semi-volatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-dichloroethene (DOE) | < 0.00240 | < 0.00240 | 0.0363 | 0.0750 |
| 2,2-Bis(parachlorophenyl)-1,1-dichloroethene (DOE) (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.500 | < 0.900 | < 0.900 | < 0.900 |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | < 9.01 | < 9.01 | < 9.01 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | R | R | R | R |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Aldrin (GCMS) | < 0.00190 | < 0.00190 | 0.0164 | 0.0103 |
| Aldrin | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Benzothiazole | < 2.04 | < 2.04 | < 2.04 | < 2.04 |
| Bicyclo [2,2,1] hepta-2,5-diene | R | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | < 0.360 | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | 0.151 |
| Chlordane (GCMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dicyclopentadiene | R | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA0937S050 | HA0968S0 | HA0969M8 | HA0990M8 |
|--------------------------------------|------------|-----------|-----------|-----------|
| Depth | 152 cm | 15 cm | 3 cm | 3 cm |
| Date | 02/23/89 | 02/23/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dieldrin | < 0.00330 | < 0.00330 | 0.130 | 0.120 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dithiane | < 1.45 | < 1.45 | < 1.45 | < 1.45 |
| Dithiane (GCMS) | < 0.400 | < 0.400 | < 0.400 | < 0.400 |
| Endrin | < 0.00580 | < 0.00580 | < 0.0290 | 0.0152 |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00180 | < 0.00180 | < 0.00180 | < 0.00180 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00110 | < 0.00110 | < 0.00110 | < 0.00110 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 | < 0.700 |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Vapona (GCMS) | < 3.00 | < 3.00 | < 3.00 | < 3.00 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | < 0.00880 | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0987S050 | MA0988S0 | MA0989A8 | MA0990A8 |
|------------------------------------------|------------|----------|----------|----------|
| Depth | 152 cm | 15 cm | 3 cm | 3 cm |
| Date | 02/23/89 | 02/23/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GCMS) | < 0.430 | MA | MA | MA |
| 1,1,2-Trichloroethane | < 0.260 | MA | MA | MA |
| 1,1,2-Trichloroethane (GCMS) | < 0.390 | MA | MA | MA |
| 1,1-Dichloroethane | < 0.0740 | MA | MA | MA |
| 1,1-Dichloroethane (GCMS) | < 1.70 | MA | MA | MA |
| 1,1-Dichloroethene | < 0.240 | MA | MA | MA |
| 1,2-Dichloroethane | < 0.0050 | MA | MA | MA |
| 1,2-Dichloroethane (GCMS) | < 0.560 | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | < 0.260 | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | < 1.70 | MA | MA | MA |
| Benzene | < 0.0050 | MA | MA | MA |
| Benzene (GCMS) | < 0.250 | MA | MA | MA |
| Carbon Tetrachloride | < 0.120 | MA | MA | MA |
| Carbon Tetrachloride (GCMS) | < 0.250 | MA | MA | MA |
| Chlorobenzene | < 0.200 | MA | MA | MA |
| Chlorobenzene (GCMS) | < 1.50 | MA | MA | MA |
| Chloroform | < 0.0680 | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0987S050 | MA0988S0 | MA0987JLB | MA0990JLB |
|------------------------------|------------|----------|-----------|-----------|
| Depth | 152 cm | 15 cm | 3 cm | 3 cm |
| Date | 02/23/89 | 02/23/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | < 0.290 | MA | MA | MA |
| | R | R | R | R |
| Dibromochloropropane | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Dibromochloropropane (GCMS) | < 3.12 | < 3.12 | < 3.12 | < 3.12 |
| Dimethyl Disulfide | < 20.0 | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | | | | |
| Ethyl Benzene | < 0.160 | MA | MA | MA |
| Ethyl Benzene (GCMS) | < 0.300 | MA | MA | MA |
| m-Xylene | < 9.260 | MA | MA | MA |
| m-Xylene (GCMS) | < 0.740 | MA | MA | MA |
| Methylene Chloride | < 3.70 | MA | MA | MA |
| Methylene Chloride (GCMS) | < 1.50 | MA | MA | MA |
| Methylisobutyl Ketone | R | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | < 0.730 | MA | MA | MA |
| O,p-Xylene | < 0.390 | MA | MA | MA |
| O,p-Xylene (GCMS) | < 4.90 | MA | MA | MA |
| Tetrachloroethene | < 0.270 | MA | MA | MA |
| Tetrachloroethene (GCMS) | < 0.250 | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0907SD50 | MA0908SD | MA0909AB | MA0910AB |
|------------------------|------------|----------|----------|----------|
| Depth | 152 cm | 15 cm | 3 cm | 3 cm |
| Date | 02/23/89 | 02/23/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Volatiles | | | | |
| Toluene | < 0.190 | MA | MA | MA |
| Toluene (GCMS) | < 0.250 | MA | MA | MA |
| Trichloroethene | < 0.140 | MA | MA | MA |
| Trichloroethene (GCMS) | < 0.540 | MA | MA | NC |

Notes: Values are reported to microgram per gram.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA0991UB | NA0992UB | NA0993UB | NA0994UB |
|--------------------------------------------------------------|----------|----------|----------|----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/26/89 | 02/26/89 | 02/26/89 | 02/26/89 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | 2.89 | < 2.50 |
| Cadmium | NA | NA | NA | NA |
| Calcium | NA | NA | NA | NA |
| Chromium | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA |
| Iron | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA |
| Magnesium | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | NA | NA | NA | NA |
| Sodium | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | < 1.74 | < 1.74 | < 1.74 | < 1.74 |
| 1,4-Oxathiane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | 0.0370 | 0.0118 | 0.0229 | 0.0175 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0991UB | MA0992UB | MA0993UB | MA0994UB |
|-----------------------------------------------------------|----------|----------|----------|-----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | 0.0198 | 0.00416 | 0.0110 | < 0.00240 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GDMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 4-Chlorophenylmethyl Sulfide (GDMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | < 9.01 | < 9.01 | < 9.01 |
| 4-Chlorophenylmethyl Sulfone (GDMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | R | R | R | R |
| 4-Chlorophenylmethyl Sulfoxide (GDMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Aldrin | 0.00727 | 0.0143 | 0.00754 | 0.0337 |
| Aldrin (GDMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Atrazine (GDMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Benzothiazole | < 2.04 | < 2.04 | < 2.04 | < 2.04 |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GDMS) | MA | MA | MA | MA |
| Chlordane | 0.0458 | < 0.0250 | 0.0997 | 0.0415 |
| Chlordane (GDMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dicyclopentadiene | MA | MA | MA | MA |

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0991UB | MA0992UB | MA0993UB | MA0994UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dieldrin | 0.110 | 0.110 | 0.0890 | 0.250 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dithiane | < 1.45 | < 1.45 | < 1.45 | < 1.45 |
| Dithiane (GCMS) | < 0.400 | < 0.400 | < 0.400 | < 0.400 |
| Endrin | 0.0189 | 0.0233 | 0.0160 | 0.0289 |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00180 | < 0.00180 | < 0.00180 | < 0.00180 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00110 | < 0.00110 | < 0.00110 | < 0.00110 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 | < 0.700 |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Vapona (GCMS) | < 3.00 | < 3.00 | < 3.00 | < 3.00 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | MA | MA | MA | MA |

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0991UB | MA0992UB | MA0993UB | MA0994UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/26/89 | 02/26/89 | 02/26/89 | 02/26/89 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GCMS) | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | NA | NA | NA |
| 1,1,2-Trichloroethane (GCMS) | NA | NA | EA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA |
| 1,1-Dichloroethane (GCMS) | NA | NA | NA | NA |
| 1,1-Dichloroethene | NA | NA | NA | NA |
| 1,2-Dichloroethane | NA | NA | NA | NA |
| 1,2-Dichloroethane (GCMS) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | NA | EA | NA | NA |
| Benzene | NA | NA | NA | NA |
| Benzene (GCMS) | NA | NA | NA | NA |
| Carbon Tetrachloride | NA | NA | NA | NA |
| Carbon Tetrachloride (GCMS) | NA | NA | NA | NA |
| Chlorobenzene | NA | NA | NA | NA |
| Chlorobenzene (GCMS) | NA | NA | NA | NA |
| Chloroform | NA | NA | NA | NA |

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above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were

ed

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0997UB | MA0992UB | MA0993UB | MA0994UB |
|------------------------------|----------|----------|----------|----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | R
MA | R
MA | R
MA | R
MA |
| Dibromochloropropane | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Dibromochloropropane (GCMS) | < 3.12 | < 3.12 | < 3.12 | < 3.12 |
| Dimethyl Disulfide | MA | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| m-Xylene | MA | MA | MA | MA |
| m-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,p-Xylene | MA | MA | MA | MA |
| O,p-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0991UB | MA0992UB | MA0993UB | MA0994UB |
|------------------------|----------|----------|----------|----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Volatiles | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA |
| Toluene (GCMS) | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA |
| Trichloroethene (GCMS) | NA | NA | NA | NA |

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R -- Data did not meet quality control criteria and were

nd.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0996UB | MA0997UB | MA0998UB | MA0999UB |
|--------------------------------------------------------------|----------|----------|-----------|----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| Cadmium | NA | NA | NA | NA |
| Calcium | NA | NA | NA | NA |
| Chromium | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA |
| Iron | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA |
| Magnesium | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | NA | NA | NA | NA |
| Sodium | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | < 1.74 | < 1.74 | < 1.74 | < 1.74 |
| 1,4-Oxathiane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | 0.00474 | 0.00441 | < 0.00200 | 0.00734 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |

Notes: Values are reported to microgram per gram.

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0996UB | MA0997UB | MA0998UB | MA0999UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Semi-volatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | < 0.00240 | < 0.00240 | < 0.00240 | < 0.00240 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | < 4.40 | < 4.40 | < 4.40 | < 4.40 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | < 9.01 | < 9.01 | < 9.01 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | R | R | R | R |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Aldrin (GCMS) | 0.00713 | 0.00304 | 0.00269 | 0.0264 |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Benzo[thiazole] | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Bicyclo [2,2,1] hepta-2,5-diene | < 2.04 | < 2.04 | < 2.04 | < 2.04 |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | MA | MA | MA | MA |
| Chlordane (GCMS) | < 0.0250 | < 0.0230 | < 0.0230 | < 0.0230 |
| Dicyclopentadiene | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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R -- Data did not meet quality control criteria and were

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA0996UB | MA0997UB | MA0998UB | MA0999UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Semi-volatiles | | | | |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dieldrin | 0.0550 | 0.0440 | 0.0319 | 0.110 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dithiane | < 1.45 | < 1.45 | < 1.45 | < 1.45 |
| Dithiane (GCMS) | < 0.400 | < 0.400 | < 0.400 | < 0.400 |
| Endrin | 0.0101 | < 0.00580 | < 0.00580 | 0.0172 |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00180 | < 0.00180 | < 0.00180 | < 0.00180 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00110 | < 0.00110 | < 0.00110 | 0.00264 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 | < 0.700 |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Vapona (GCMS) | < 3.00 | < 3.00 | < 3.00 | < 3.00 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA099648 | MA099748 | MA099848 | MA099948 |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GOMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | MA | MA | MA | MA |
| 1,1,2-Trichloroethane (GOMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | MA | MA | MA | MA |
| 1,1-Dichloroethane (GOMS) | MA | MA | MA | MA |
| 1,1-Dichloroethene | MA | MA | MA | MA |
| 1,2-Dichloroethane | MA | MA | MA | MA |
| 1,2-Dichloroethane (GOMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GOMS) | MA | MA | MA | MA |
| Benzene | MA | MA | MA | MA |
| Benzene (GOMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | MA | MA | MA | MA |
| Carbon Tetrachloride (GOMS) | MA | MA | MA | MA |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GOMS) | MA | MA | MA | MA |
| Chloroform | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

F -- Data did not meet quality control criteria and were
re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA099648 | NA099748 | NA099848 | NA099948 |
|-------------------------------|----------|----------|----------|----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GC/MS) | MA | MA | MA | MA |
| Dibromochloropropane | R | R | R | R |
| Dibromochloropropane (GC/MS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Dimethyl Disulfide | < 3.12 | < 3.12 | < 3.12 | < 3.12 |
| Dimethyl Disulfide (GC/MS) | MA | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GC/MS) | MA | MA | MA | MA |
| m-Xylene | MA | MA | MA | MA |
| m-Xylene (GC/MS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GC/MS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GC/MS) | MA | MA | MA | MA |
| O,p-Xylene | MA | MA | MA | MA |
| O,p-Xylene (GC/MS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GC/MS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA0996UB | HA0997UB | HA0998UB | HA0999UB |
|------------------------|----------|----------|----------|----------|
| Depth | 3 cm | 3 cm | 3 cm | 3 cm |
| Date | 02/24/89 | 02/24/89 | 02/24/89 | 02/24/89 |
| Analytes | | | | |
| Volatiles | MA | MA | MA | MA |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1200UB | NA1201UB | NA1202UB | NA1203UB |
|--------------------------------------------------------------|-----------|----------|-----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | 4.62 | < 2.50 | < 2.50 |
| Cadmium | MA | MA | MA | MA |
| Calcium | MA | MA | MA | MA |
| Chromium | MA | MA | MA | MA |
| Copper | MA | MA | MA | MA |
| Iron | MA | MA | MA | MA |
| Lead | MA | MA | MA | MA |
| Magnesium | MA | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | MA | MA | MA | MA |
| Sodium | MA | MA | MA | MA |
| Zinc | MA | MA | MA | MA |
| <hr/> | | | | |
| SemiVolatiles | | | | |
| 1,4-Oxathiane | MA | MA | MA | MA |
| 1,4-Oxathiane (GCMS) | MA | MA | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.00277 | 0.00631 | < 0.00277 | 0.0463 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1200UB | NA1201UB | NA1202UB | NA1203UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-dichloroethene (DOE) | < 0.00466 | < 0.00466 | < 0.00466 | 0.00644 |
| 2,2-Bis(parachlorophenyl)-1,1-dichloroethene (DOE) (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | MA | MA | MA | MA |
| Aldrin | < 0.00211 | < 0.00211 | < 0.00211 | < 0.00211 |
| Aldrin (GCMS) | MA | MA | MA | MA |
| Atrazine (GCMS) | MA | MA | MA | MA |
| Benothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | MA | MA | MA | MA |
| Dicyclopentadiene | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA12004B | HA12014B | HA12024B | HA12034B |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Semi-volatiles | | | | |
| Dicyclopentadiene (GCMS) | MA | MA | MA | MA |
| Dieldrin | 0.00223 | < 0.00181 | 0.00706 | 0.0187 |
| Diieldrin (GCMS) | MA | MA | MA | MA |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | MA | MA |
| Dithiane | MA | MA | MA | MA |
| Dithiane (GCMS) | MA | MA | MA | MA |
| Endrin | < 0.00471 | < 0.00471 | < 0.00471 | 0.0394 |
| Endrin (GCMS) | MA | MA | MA | MA |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | MA | MA | MA | MA |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | 0.00339 |
| Isodrin (GCMS) | MA | MA | MA | MA |
| Melathion (GCMS) | MA | MA | MA | MA |
| Parathion (GCMS) | MA | MA | MA | MA |
| Supona (GCMS) | MA | MA | MA | MA |
| Vapona (GCMS) | MA | MA | MA | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1200UB | NA1201UB | NA1202UB | NA1203UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | NA | NA | NA |
| 1,1,2-Trichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA |
| 1,1-Dichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1-Dichloroethene | NA | NA | NA | NA |
| 1,2-Dichloroethane | NA | NA | NA | NA |
| 1,2-Dichloroethane (GDMS) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA |
| Benzene (GDMS) | NA | NA | NA | NA |
| Carbon Tetrachloride | NA | NA | NA | NA |
| Carbon Tetrachloride (GDMS) | NA | NA | NA | NA |
| Chlorobenzene | NA | NA | NA | NA |
| Chlorobenzene (GDMS) | NA | NA | NA | NA |
| Chloroform | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1200JB | HA1201JB | HA1202JB | HA1203JB |
|------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Volatiles | NA | NA | NA | NA |
| Chloroform (GCMS) | NA | NA | NA | NA |
| Dibromochloropropane | NA | NA | NA | NA |
| Dibromochloropropane (GCMS) | NA | NA | NA | NA |
| Dimethyl Disulfide | NA | NA | NA | NA |
| Dimethyl Disulfide (GCMS) | NA | NA | NA | NA |
| Ethyl Benzene | NA | NA | NA | NA |
| Ethyl Benzene (GCMS) | NA | NA | NA | NA |
| M-Xylene | NA | NA | NA | NA |
| M-Xylene (GCMS) | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA |
| Methylene Chloride (GCMS) | NA | NA | NA | NA |
| Methylisobutyl Ketone | NA | NA | NA | NA |
| Methylisobutyl Ketone (GCMS) | NA | NA | NA | NA |
| O,P-Xylene | NA | NA | NA | NA |
| O,P-Xylene (GCMS) | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA |
| Tetrachloroethene (GCMS) | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1200UB | MA1201UB | MA1202UB | MA1203UB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Volatiles | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA |
| Toluene (GCMS) | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA |
| Trichloroethene (GCMS) | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1204UB | NA1205UB | NA1206UB | NA1207UB |
|-------------------------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/13/90 | 06/13/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | 3.24 | < 2.50 | < 2.50 |
| Cadmium | NA | NA | NA | NA |
| Calcium | NA | NA | NA | NA |
| Chromium | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA |
| Iron | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA |
| Magnesium | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | NA | NA | NA | NA |
| Sodium | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | NA | NA | NA | NA |
| 1,4-Oxathiane (GMS) | NA | NA | NA | NA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | 0.00654 | 0.00561 | 0.00579 | 0.0419 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GMS) | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1204UB | NA1205UB | NA1206UB | NA1207UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/13/90 | 06/13/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) | 0.0113 | < 0.00466 | < 0.00466 | 0.0226 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) (GDMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GDMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GDMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GDMS) | MA | MA | MA | MA |
| Aldrin | < 0.00211 | < 0.00211 | < 0.00211 | < 0.00211 |
| Aldrin (GDMS) | MA | MA | MA | MA |
| Atrazine (GDMS) | MA | MA | MA | MA |
| Benzothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GDMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GDMS) | MA | MA | MA | MA |
| Dicyclopentadiene | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

d.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1204UB | NA1205UB | NA1206UB | NA1207UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/13/90 | 06/13/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | MA | MA | MA | MA |
| Dieldrin | 0.0225 | 0.0167 | 0.0250 | 0.00451 |
| Dieldrin (GCMS) | MA | MA | MA | MA |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | MA | MA |
| Dithiane | MA | MA | MA | MA |
| Dithiane (GCMS) | MA | MA | MA | MA |
| Endrin | < 0.00471 | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin (GCMS) | MA | MA | MA | MA |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | MA | MA | MA | MA |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | MA | MA | MA | MA |
| Malathion (GCMS) | MA | MA | MA | MA |
| Parathion (GCMS) | MA | MA | MA | MA |
| Subona (GCMS) | MA | MA | MA | MA |
| Vapona (GCMS) | MA | MA | MA | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1204UB | MA1205UB | MA1206UB | MA1207UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/13/90 | 06/13/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | NA | NA | NA |
| 1,1,2-Trichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA |
| 1,1-Dichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1-Dichloroethene | NA | NA | NA | NA |
| 1,2-Dichloroethane | NA | NA | NA | NA |
| 1,2-Dichloroethane (GDMS) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA |
| Benzene (GDMS) | NA | NA | NA | NA |
| Carbon Tetrachloride | NA | NA | NA | NA |
| Carbon Tetrachloride (GDMS) | NA | NA | NA | NA |
| Chlorobenzene | NA | NA | NA | NA |
| Chlorobenzene (GDMS) | NA | NA | NA | NA |
| Chloroform | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
re-evaluated.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1204UB | HA1205UB | HA1206UB | HA1207UB |
|------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/13/90 | 06/13/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | MA | MA | MA |
| Dibromochloropropane (GCMS) | MA | MA | MA | MA |
| Dimethyl Disulfide | MA | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| m-Xylene | MA | MA | MA | MA |
| m-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,p-Xylene | MA | MA | MA | MA |
| O,p-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1204UB | NA1205UB | NA1206UB | NA1207UB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/13/90 | 06/13/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.
 Reported values are accurate to three significant figures.
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 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

nd.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1208UB | NA1209UB | NA1210UB | NA1211UB |
|--------------------------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/13/90 | 06/18/90 | 06/18/90 | 06/13/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | 2.84 | < 2.50 | < 2.50 | < 2.50 |
| Cadmium | MA | MA | MA | MA |
| Calcium | MA | MA | MA | MA |
| Chromium | MA | MA | MA | MA |
| Copper | MA | MA | MA | MA |
| Iron | MA | MA | MA | MA |
| Lead | MA | MA | MA | MA |
| Magnesium | MA | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | MA | MA | MA | MA |
| Sodium | MA | MA | MA | MA |
| Zinc | MA | MA | MA | MA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | MA | MA | MA | MA |
| 1,4-Oxathiane (GCMS) | MA | MA | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | 0.00376 | 0.00743 | 0.0106 | 0.00349 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1208UB | NA1209UB | NA1210UB | NA1211UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/13/90 | 06/18/90 | 06/18/90 | 06/13/90 |
| Analytes | | | | |
| Semivolatiles | < 0.00466 | < 0.00466 | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | MA | MA | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | MA | MA | MA | MA |
| Aldrin | < 0.00211 | < 0.00211 | 0.00571 | < 0.00211 |
| Aldrin (GCMS) | MA | MA | MA | MA |
| Atrazine (GCMS) | MA | MA | MA | MA |
| Benzothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | MA | MA | MA | MA |
| Dicyclopentadiene | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

nd.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1208UB | HA1209UB | HA1210UB | HA1211UB |
|--------------------------------------|-----------|-----------|----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/13/90 | 06/18/90 | 06/18/90 | 06/13/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclic radiene (GCMS) | MA | MA | MA | MA |
| Dieldrin | 0.0108 | 0.0111 | 0.0148 | 0.00803 |
| Dieldrin (GCMS) | MA | MA | MA | MA |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | MA | MA |
| Dithiane | MA | MA | MA | MA |
| Dithiane (GCMS) | MA | MA | MA | MA |
| Endrin | < 0.00471 | < 0.00471 | 0.0111 | < 0.00471 |
| Endrin (GCMS) | MA | MA | MA | MA |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | 0.00270 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | MA | MA | MA | MA |
| Isodrin | < 0.00188 | < 0.00188 | 0.00353 | < 0.00188 |
| Isodrin (GCMS) | MA | MA | MA | MA |
| Malathion (GCMS) | MA | MA | MA | MA |
| Parathion (GCMS) | MA | MA | MA | MA |
| Supona (GCMS) | MA | MA | MA | MA |
| Vapona (GCMS) | MA | MA | MA | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.

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above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were

rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1208UB | NA1209UB | NA1210UB | NA1211UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/13/90 | 06/18/90 | 06/18/90 | 06/13/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | MA | MA | MA | MA |
| 1,1,2-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | MA | MA | MA | MA |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethene | MA | MA | MA | MA |
| 1,2-Dichloroethane | MA | MA | MA | MA |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | MA | MA | MA | MA |
| Benzene | MA | MA | MA | MA |
| Benzene (GCMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | MA | MA | MA | MA |
| Carbon Tetrachloride (GCMS) | MA | MA | MA | MA |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GCMS) | MA | MA | MA | MA |
| Chloroform | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1208UB | HA1209UB | HA1210UB | HA1211UB |
|------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/13/90 | 06/18/90 | 06/18/90 | 06/13/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | NA | NA | NA | NA |
| Dibromochloropropane | NA | NA | NA | NA |
| Dibromochloropropane (GCMS) | NA | NA | NA | NA |
| Dimethyl Disulfide | NA | NA | NA | NA |
| Dimethyl Disulfide (GCMS) | NA | NA | NA | NA |
| Ethyl Benzene | NA | NA | NA | NA |
| Ethyl Benzene (GCMS) | NA | NA | NA | NA |
| m-Xylene | NA | NA | NA | NA |
| m-Xylene (GCMS) | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA |
| Methylene Chloride (GCMS) | NA | NA | NA | NA |
| Methylisobutyl Ketone | NA | NA | NA | NA |
| Methylisobutyl Ketone (GCMS) | NA | NA | NA | NA |
| O,p-Xylene | NA | NA | NA | NA |
| O,p-Xylene (GCMS) | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA |
| Tetrachloroethene (GCMS) | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

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rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1208UB | HA1209UB | HA1210UB | HA1211UB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/13/90 | 06/18/90 | 06/18/90 | 06/13/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1212MB | HA1213MB | HA1214MB | HA1215MB |
|--------------------------------------------------------------|-----------|-----------|----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/13/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| Cadmium | MA | MA | MA | MA |
| Calcium | MA | MA | MA | MA |
| Chromium | MA | MA | MA | MA |
| Copper | MA | MA | MA | MA |
| Iron | MA | MA | MA | MA |
| Lead | MA | MA | MA | MA |
| Magnesium | MA | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | MA | MA | MA | MA |
| Sodium | MA | MA | MA | MA |
| Zinc | MA | MA | MA | MA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | MA | MA | MA | MA |
| 1,4-Oxathiane (GCMS) | MA | MA | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.00277 | < 0.00277 | 0.00793 | < 0.00277 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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above the Maximum Reporting Limit.

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rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample No | NA1212UB | NA1213UB | NA1214UB | NA1215UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/13/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Semivolatiles | < 0.00466 | < 0.00466 | 0.00628 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | MA | MA | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.00211 | < 0.00211 | < 0.00211 | < 0.00211 |
| Aldrin | MA | MA | MA | MA |
| Aldrin (GCMS) | MA | MA | MA | MA |
| Atrazine (GCMS) | MA | MA | MA | MA |
| Benothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | MA | MA | MA | MA |
| Dicyclopentadiene | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1212UB | NA1213UB | NA1214UB | NA1215UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/13/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | MA | MA | MA | MA |
| Dieldrin | 0.00467 | 0.00294 | 0.00399 | 0.00222 |
| Dieldrin (GCMS) | MA | MA | MA | MA |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | MA | MA |
| Dithiane | MA | MA | MA | MA |
| Dithiane (GCMS) | MA | MA | MA | MA |
| Endrin | < 0.00471 | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin (GCMS) | MA | MA | MA | MA |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | MA | MA | MA | MA |
| Isodrin | < 0.00188 | < 0.00188 | 0.00256 | < 0.00188 |
| Isodrin (GCMS) | MA | MA | MA | MA |
| Malathion (GCMS) | MA | MA | MA | MA |
| Parathion (GCMS) | MA | MA | MA | MA |
| Supona (GCMS) | MA | MA | MA | MA |
| Vapona (GCMS) | MA | MA | MA | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1212UB | MA1213UB | MA1214UB | MA1215UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/13/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GDMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | MA | MA | MA | MA |
| 1,1,2-Trichloroethane (GDMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | MA | MA | MA | MA |
| 1,1-Dichloroethane (GDMS) | MA | MA | MA | MA |
| 1,1-Dichloroethene | MA | MA | MA | MA |
| 1,2-Dichloroethane | MA | MA | MA | MA |
| 1,2-Dichloroethane (GDMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | MA | MA | MA | MA |
| Benzene | MA | MA | MA | MA |
| Benzene (GDMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | MA | MA | MA | MA |
| Carbon Tetrachloride (GDMS) | MA | MA | MA | MA |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GDMS) | MA | MA | MA | MA |
| Chloroform | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1212UB | MA1213UB | MA1214UB | MA1215UB |
|------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/13/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | MA | MA | MA |
| Dibromochloropropane (GCMS) | MA | MA | MA | MA |
| Dimethyl Disulfide | MA | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| M-Xylene | MA | MA | MA | MA |
| P-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,P-Xylene | MA | MA | MA | MA |
| O,P-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1212UB | HA1213UB | HA1214UB | HA1215UB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/13/90 | 06/14/90 | 06/18/90 |
| Analytes | | | | |
| Volatiles | MA | MA | MA | MA |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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MA -- Not Analyzed.

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1216UB | NA1217UB | NA1218UB | NA1219UB |
|--------------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/18/90 | 06/15/90 | 06/15/90 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | < 2.50 | 3.30 |
| Cadmium | NA | NA | NA | NA |
| Calcium | NA | NA | NA | NA |
| Chromium | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA |
| Iron | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA |
| Magnesium | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | NA | NA | NA | NA |
| Sodium | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | NA | NA | NA | NA |
| 1,4-Oxathiane (GCMS) | NA | NA | NA | NA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.00277 | < 0.00277 | < 0.00277 | < 0.00277 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1216UB | NA1217UB | NA1218UB | NA1219UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/18/90 | 06/15/90 | 06/15/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | < 0.00466 | < 0.00466 | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | MA | MA | MA | MA |
| Aldrin | < 0.00211 | < 0.00211 | < 0.00211 | < 0.00211 |
| Aldrin (GCMS) | MA | MA | MA | MA |
| Atrazine (GCMS) | MA | MA | MA | MA |
| Benothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | MA | MA | MA | MA |
| Dicyclopentadiene | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1216UB | NA1217UB | NA1218UB | NA1219UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/18/90 | 06/15/90 | 06/15/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | MA | MA | MA | MA |
| Dieldrin | 0.00232 | < 0.00181 | < 0.00181 | 0.00315 |
| Dieldrin (GCMS) | MA | MA | MA | MA |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | MA | MA |
| Dithiane | MA | MA | MA | MA |
| Dithiane (GCMS) | MA | MA | MA | MA |
| Endrin | < 0.00471 | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin (GCMS) | MA | MA | MA | MA |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | MA | MA | MA | MA |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | MA | MA | MA | MA |
| Malathion (GCMS) | MA | MA | MA | MA |
| Parathion (GCMS) | MA | MA | MA | MA |
| Supona (GCMS) | MA | MA | MA | MA |
| Vapona (GCMS) | MA | MA | MA | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1216UB | MA1217UB | MA1218UB | MA1219UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/18/90 | 06/15/90 | 06/15/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | MA | MA | MA | MA |
| 1,1,2-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | MA | MA | MA | MA |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethene | MA | MA | MA | MA |
| 1,2-Dichloroethane | MA | MA | MA | MA |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | MA | MA | MA | MA |
| Benzene | MA | MA | MA | MA |
| Benzene (GCMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | MA | MA | MA | MA |
| Carbon Tetrachloride (GCMS) | MA | MA | MA | MA |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GCMS) | MA | MA | MA | MA |
| Chloroform | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.
 Reported values are accurate to three significant figures.
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 or above the Certified Reporting Limit.
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 above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
 rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA12164B | NA12174B | NA12184B | NA12194B |
|------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/18/90 | 06/15/90 | 06/15/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | NA | NA | NA | NA |
| Dibromochloropropane | NA | NA | NA | NA |
| Dibromochloropropane (GCMS) | NA | NA | NA | NA |
| Dimethyl Disulfide | NA | NA | NA | NA |
| Dimethyl Disulfide (GCMS) | NA | NA | NA | NA |
| Ethyl Benzene | NA | NA | NA | NA |
| Ethyl Benzene (GCMS) | NA | NA | NA | NA |
| m-Xylene | NA | NA | NA | NA |
| m-Xylene (GCMS) | NA | NA | NA | NA |
| Methylene Chloride | NA | NA | NA | NA |
| Methylene Chloride (GCMS) | NA | NA | NA | NA |
| Methylisobutyl Ketone | NA | NA | NA | NA |
| Methylisobutyl Ketone (GCMS) | NA | NA | NA | NA |
| O,p-Xylene | NA | NA | NA | NA |
| O,p-Xylene (GCMS) | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | NA | NA |
| Tetrachloroethene (GCMS) | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1216UB | NA1217UB | NA1218UB | NA1219UB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/18/90 | 06/15/90 | 06/15/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Toluene | NA | NA | NA | NA |
| Toluene (GCMS) | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA |
| Trichloroethene (GCMS) | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1220UB | NA1221UB | NA1222UB | NA1223UB |
|-------------------------------------------------------------|-----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/15/90 | 06/15/90 | 06/16/90 | 06/16/90 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | 2.84 | < 2.50 | 2.61 | < 2.50 |
| Cadmium | MA | MA | MA | MA |
| Calcium | MA | MA | MA | MA |
| Chromium | MA | MA | MA | MA |
| Copper | MA | MA | MA | MA |
| Iron | MA | MA | MA | MA |
| Lead | MA | MA | MA | MA |
| Magnesium | MA | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.0500 | < 0.0500 | 0.142 | 0.0719 |
| Potassium | MA | MA | MA | MA |
| Sodium | MA | MA | MA | MA |
| Zinc | MA | MA | MA | MA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | MA | MA | MA | MA |
| 1,4-Oxathiane (GMS) | MA | MA | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) | < 0.00277 | 0.0103 | 0.0221 | 0.00514 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) (GMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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MA -- Not Analyzed.

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1220UB | MA1221UB | MA1222UB | MA1223UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/15/90 | 06/15/90 | 06/14/90 | 06/14/90 |
| Analytes | | | | |
| Semivolatiles | < 0.00466 | < 0.00466 | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | MA | MA | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | MA | MA | MA | MA |
| Aldrin | < 0.00211 | < 0.00211 | < 0.00211 | < 0.00211 |
| Aldrin (GCMS) | MA | MA | MA | MA |
| Atrazine (GCMS) | MA | MA | MA | MA |
| Benothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | MA | MA | MA | MA |
| Dicyclopentadiene | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

ad.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1220UB | NA1221UB | NA1222UB | NA1223UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/15/90 | 06/15/90 | 06/14/90 | 06/14/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | MA | MA | MA | MA |
| Dieldrin | < 0.00131 | 0.00361 | 0.0131 | 0.90749 |
| Dieldrin (GCMS) | MA | MA | MA | MA |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | MA | MA |
| Dithiane | MA | MA | MA | MA |
| Dithiane (GCMS) | < 0.00471 | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin | MA | MA | MA | MA |
| Endrin (GCMS) | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene | MA | MA | MA | MA |
| Hexachlorocyclopentadiene (GCMS) | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin | MA | MA | MA | MA |
| Isodrin (GCMS) | MA | MA | MA | MA |
| Malathion (GCMS) | MA | MA | MA | MA |
| Parathion (GCMS) | MA | MA | MA | MA |
| Supona (GCMS) | MA | MA | MA | MA |
| Vapona (GCMS) | MA | MA | MA | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | MA | MA | MA | MA |

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above the Maximum Reporting Limit.

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rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1220JB | MA1221JB | MA1222JB | MA1223JB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/15/90 | 06/15/90 | 06/14/90 | 06/14/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | NA | NA | NA |
| 1,1,2-Trichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA |
| 1,1-Dichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1-Dichloroethene | NA | NA | NA | NA |
| 1,2-Dichloroethane | NA | NA | NA | NA |
| 1,2-Dichloroethane (GDMS) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA |
| Benzene (GDMS) | NA | NA | NA | NA |
| Carbon Tetrachloride | NA | NA | NA | NA |
| Carbon Tetrachloride (GDMS) | NA | NA | NA | NA |
| Chlorobenzene | NA | NA | NA | NA |
| Chlorobenzene (GDMS) | NA | NA | NA | NA |
| Chloroform | NA | NA | NA | NA |

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 above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

nd.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1220UB | NA1221UB | NA1222UB | NA1223UB |
|------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/15/90 | 06/15/90 | 06/14/90 | 06/14/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | MA | MA | MA |
| Dibromochloropropane (GCMS) | MA | MA | MA | MA |
| Dimethyl Disulfide | MA | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| m-Xylene | MA | MA | MA | MA |
| m-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,p-Xylene | MA | MA | MA | MA |
| O,p-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1220UB | NA1221UB | NA1222UB | NA1223UB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/15/90 | 06/15/90 | 06/14/90 | 06/14/90 |
| Analytes | | | | |
| Volatiles | NA | NA | NA | NA |
| Toluene | NA | NA | NA | NA |
| Toluene (GCMS) | NA | NA | NA | NA |
| Trichloroethene | NA | NA | NA | NA |
| Trichloroethene (GCMS) | NA | NA | NA | NA |

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above the Maximum Reporting Limit.

NA -- Not Analyzed.

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1224UB | NA1225UB | NA1226UB | NA1227UB |
|--------------------------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/14/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | 4.41 | 3.51 | < 2.50 | < 2.50 |
| Cadmium | MA | MA | < 1.20 | < 1.20 |
| Calcium | MA | MA | MA | MA |
| Chromium | MA | MA | 15.5 | 13.1 |
| Copper | MA | MA | 10.1 | 11.1 |
| Iron | MA | MA | MA | MA |
| Lead | MA | MA | 40.6 | 27.0 |
| Magnesium | MA | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | 0.142 | 0.325 | < 0.0500 | < 0.0500 |
| Potassium | MA | MA | MA | MA |
| Sodium | MA | MA | MA | MA |
| Zinc | MA | MA | 89.3 | 61.2 |
| SemiVolatiles | | | | |
| 1,4-Oxathiane | MA | MA | MA | MA |
| 1,4-Oxathiane (GCMS) | MA | MA | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | 0.00507 | 0.00865 | 0.0192 | 0.00704 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GCMS) | MA | MA | < 0.500 | < 0.500 |

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R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1224JB | MA1225JB | MA1226JB | MA1227JB |
|-----------------------------------------------------------|-----------|-----------|-----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/14/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) | < 0.00466 | < 0.00466 | 0.0561 | 0.00478 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) (GCMS) | MA | MA | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | MA | MA | < 0.900 | < 0.900 |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | MA | MA | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | MA | MA | < 0.300 | < 0.300 |
| Aldrin | < 0.00211 | < 0.00211 | < 0.00211 | 0.00533 |
| Aldrin (GCMS) | MA | MA | < 0.300 | < 0.300 |
| Atrazine (GCMS) | MA | MA | < 0.300 | < 0.300 |
| Benzothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | 0.520 | < 0.0230 |
| Chlordane (GCMS) | MA | MA | 7.71 | < 2.00 |
| Dicyclopentadiene | MA | MA | MA | MA |

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 rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1224UB | HA1225UB | HA1226UB | HA1227UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/14/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Seivolatiles | NA | NA | < 1.00 | < 1.00 |
| Dicyclopentadiene (GCMS) | 0.00775 | 0.00440 | 0.0930 | 0.0160 |
| Dieldrin | NA | NA | < 0.300 | < 0.300 |
| Dieldrin (GCMS) | NA | NA | < 1.00 | < 1.00 |
| Diisopropyl Methylphosphonate (GCMS) | NA | NA | NA | NA |
| Dithiane | NA | NA | < 0.400 | < 0.400 |
| Dithiane (GCMS) | < 0.00471 | < 0.00471 | 0.390 | 0.00659 |
| Endrin | NA | NA | < 0.500 | < 0.500 |
| Endrin (GCMS) | < 0.00137 | 0.0203 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene | NA | NA | < 0.600 | < 0.600 |
| Hexachlorocyclopentadiene (GCMS) | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin | NA | NA | < 0.300 | < 0.300 |
| Isodrin (GCMS) | NA | NA | < 0.700 | < 0.700 |
| Malathion (GCMS) | NA | NA | < 0.900 | < 0.900 |
| Parathion (GCMS) | NA | NA | < 0.600 | < 0.600 |
| Supona (GCMS) | NA | NA | < 3.00 | < 3.00 |
| Vaona (GCMS) | NA | NA | | |
| Volatiles | NA | NA | NA | NA |
| 1,1,1-Trichloroethane | | | | |

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R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative / Analytical Data

| Sample ID | NA1224UB | NA1225UB | NA1226UB | NA1227UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/14/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | MA | MA | MA | MA |
| 1,1,2-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | MA | MA | MA | MA |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethene | MA | MA | MA | MA |
| 1,2-Dichloroethane | MA | MA | MA | MA |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | MA | MA | MA | MA |
| Benzene | MA | MA | MA | MA |
| Benzene (GCMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | MA | MA | MA | MA |
| Carbon Tetrachloride (GCMS) | MA | MA | MA | MA |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GCMS) | MA | MA | MA | MA |
| Chloroform | MA | MA | MA | MA |

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R -- Data did not meet quality control criteria and were
ed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1224UB | HA1225UB | HA1226UB | HA1227UB |
|------------------------------|----------|----------|----------|----------|
| DPTH | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/14/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | MA | MA | MA |
| Dibromochloropropane (GCMS) | MA | MA | < 0.300 | < 0.300 |
| Dimethyl Disulfide | MA | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| m-Xylene | MA | MA | MA | MA |
| m-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,p-Xylene | MA | MA | MA | MA |
| O,p-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |

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rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1224UB | NA1225UB | NA1226UB | NA1227UB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/14/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Volatiles | MA | MA | MA | MA |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |

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 re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1220MB | NA1229MB | NA1230MB | NA1231MB |
|--------------------------------------------------------------|----------|----------|-----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/03/90 | 06/14/90 | 06/13/90 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | < 2.50 | 3.26 |
| Cadmium | < 1.20 | < 1.20 | < 1.20 | < 1.20 |
| Calcium | MA | MA | 12600 | 4760 |
| Chromium | 12.3 | 17.3 | 17.6 | 23.2 |
| Copper | 12.0 | 12.9 | 11.5 | 20.9 |
| Iron | MA | MA | 19600 | 25600 |
| Lead | 35.2 | 18.9 | 14.4 | 29.5 |
| Magnesium | MA | MA | 4100 | 5010 |
| Manganese | MA | MA | 278 | 530 |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | MA | MA | 4190 | 6400 |
| Sodium | MA | MA | 142 | 118 |
| Zinc | 82.1 | 53.2 | 47.8 | 87.1 |
| Semivolatiles | | | | |
| 1,4-Oxathiane | MA | MA | MA | MA |
| 1,4-Oxathiane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | 0.0260 | 0.00472 | < 0.00277 | 0.790 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1228UB | MA1229UB | MA1230UB | MA1231UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/03/90 | 06/14/90 | 06/13/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) | 0.00675 | < 0.00466 | < 0.00466 | 0.170 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Aldrin | < 0.00211 | < 0.00211 | 0.00719 | < 0.00211 |
| Aldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Benothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dicyclopentadiene | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1220UB | MA1229UB | MA1230UB | MA1231UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/03/90 | 06/14/90 | 06/13/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dieldrin | 0.0184 | 0.0128 | < 0.00181 | 0.130 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dithiane | NA | NA | NA | NA |
| Dithiane (GCMS) | < 0.400 | < 0.400 | < 0.400 | < 0.400 |
| Endrin | 0.00511 | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 | < 0.700 |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Vapona (GCMS) | < 3.00 | < 3.00 | < 3.00 | < 3.00 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1220UB | MA1229UB | MA1230UB | MA1231UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/03/90 | 06/14/90 | 06/13/90 |
| Analytes | | | | |
| Volatiles | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | NA | NA | NA |
| 1,1,2-Trichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA |
| 1,1-Dichloroethane (GDMS) | NA | NA | NA | NA |
| 1,1-Dichloroethene | NA | NA | NA | NA |
| 1,2-Dichloroethane | NA | NA | NA | NA |
| 1,2-Dichloroethane (GDMS) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) | NA | NA | NA | NA |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | NA | NA | NA | NA |
| Benzene | NA | NA | NA | NA |
| Benzene (GDMS) | NA | NA | NA | NA |
| Carbon Tetrachloride | NA | NA | NA | NA |
| Carbon Tetrachloride (GDMS) | NA | NA | NA | NA |
| Chlorobenzene | NA | NA | NA | NA |
| Chlorobenzene (GDMS) | NA | NA | NA | NA |
| Chloroform | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

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Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1228UB | MA1229UB | MA1230UB | MA1231UB |
|------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/05/90 | 07/03/90 | 06/14/90 | 06/13/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | MA | MA | MA |
| Dibromochloropropane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Dimethyl Disulfide | MA | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| m-Xylene | MA | MA | MA | MA |
| m-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,p-Xylene | MA | MA | MA | MA |
| O,p-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1220MB | MA1220MB | MA1230MB | MA1231MB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/03/90 | 06/14/90 | 06/13/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

revised.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1232MB | HA1233MB | HA1234MB | HA1235MB |
|--------------------------------------------------------------|-----------|-----------|-----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/15/90 | 07/03/90 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | 2.76 | < 2.50 |
| Cadmium | < 1.20 | < 1.20 | < 1.20 | < 1.20 |
| Calcium | 2200 | 2260 | 14600 | NA |
| Chromium | 8.37 | 15.7 | 15.4 | 11.2 |
| Copper | 6.09 | 12.0 | 13.5 | 8.95 |
| Iron | 13100 | 16800 | 20300 | NA |
| Lead | 14.7 | 20.6 | 19.1 | 16.4 |
| Magnesium | 2600 | 2650 | 4070 | NA |
| Manganese | 240 | 351 | 298 | NA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | 1570 | 3860 | 4260 | NA |
| Sodium | 65.4 | 68.2 | 116 | NA |
| Zinc | 45.4 | 47.2 | 53.7 | 36.6 |
| Semivolatiles | | | | |
| 1,4-Oxathiane | NA | NA | NA | NA |
| 1,4-Oxathiane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.00277 | < 0.00277 | < 0.00277 | 0.00657 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |

Notes: Values are reported to microgram per gram.

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NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1232UB | MA1233UB | MA1234UB | MA1235UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/16/90 | 06/19/90 | 06/15/90 | 07/03/90 |
| Analytes | | | | |
| Semi-volatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | < 0.00466 | < 0.00466 | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Aldrin | < 0.00211 | < 0.00211 | 0.00590 | 0.00480 |
| Aldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Benzothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GCMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dicyclopentadiene | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

re-

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1232UB | MA1233UB | MA1234UB | MA1235UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/15/90 | 07/03/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dieldrin | < 0.00181 | 0.00545 | 0.00992 | 0.0332 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dithiane | NA | NA | NA | NA |
| Dithiane (GCMS) | < 0.400 | < 0.400 | < 0.400 | < 0.400 |
| Endrin | < 0.00471 | < 0.00471 | < 0.00471 | 0.00993 |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 | < 0.700 |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Vapona (GCMS) | < 3.00 | < 3.00 | < 3.00 | < 3.00 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1232UB | MA1233UB | MA1234UB | MA1235UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/15/90 | 07/03/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | MA | MA | MA | MA |
| 1,1,2,2-Trichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | MA | MA | MA | MA |
| 1,1-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,1-Dichloroethene | MA | MA | MA | MA |
| 1,2-Dichloroethane | MA | MA | MA | MA |
| 1,2-Dichloroethane (GCMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GCMS) | MA | MA | MA | MA |
| Benzene | MA | MA | MA | MA |
| Benzene (GCMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | MA | MA | MA | MA |
| Carbon Tetrachloride (GCMS) | MA | MA | MA | MA |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GCMS) | MA | MA | MA | MA |
| Chloroform | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

rd.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | HA1232MB | HA1233MB | HA1234MB | HA1235MB |
|------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/15/90 | 07/03/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | MA | MA | MA |
| Dibromochloropropane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Dimethyl Disulfide | MA | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| m-Xylene | MA | MA | MA | MA |
| m-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,p-Xylene | MA | MA | MA | MA |
| O,p-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1232UB | NA1233UB | NA1234UB | NA1235UB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/14/90 | 06/18/90 | 06/15/90 | 07/03/90 |
| Analytes | | | | |
| Volatiles | MA | MA | MA | MA |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.
 Reported values are accurate to three significant figures.
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 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 MA -- Not Analyzed.
 R. -- Data did not meet quality control criteria and were
 reported.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1261S | MA1263UB | MA1264UB | MA1265UB |
|--------------------------------------------------------------|----------|-----------|-----------|-----------|
| Depth | 30 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/02/90 | 07/02/90 | 07/02/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | 3.79 | < 2.50 | < 2.50 | 2.89 |
| Cadmium | < 1.20 | MA | MA | MA |
| Calcium | MA | MA | MA | MA |
| Chromium | 31.3 | MA | MA | MA |
| Copper | 21.7 | MA | MA | MA |
| Iron | MA | MA | MA | MA |
| Lead | 32.4 | MA | MA | MA |
| Magnesium | MA | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | MA | MA | MA | MA |
| Sodium | MA | MA | MA | MA |
| Zinc | 98.9 | MA | MA | MA |
| <hr/> | | | | |
| SemiVolatiles | | | | |
| 1,4-Oxathiane | MA | MA | MA | MA |
| 1,4-Oxathiane (GDMS) | < 0.300 | MA | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | 0.00364 | < 0.00277 | < 0.00277 | < 0.00277 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GDMS) | < 0.500 | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1261S | MA1263UB | MA1264UB | MA1265UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 30 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/02/90 | 07/02/90 | 07/02/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | < 0.00466 | < 0.00466 | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GDMS) | < 0.600 | NA | NA | NA |
| 4-Chlorophenylmethyl Sulfide | NA | NA | NA | NA |
| 4-Chlorophenylmethyl Sulfide (GDMS) | < 0.500 | NA | NA | NA |
| 4-Chlorophenylmethyl Sulfone | NA | NA | NA | NA |
| 4-Chlorophenylmethyl Sulfone (GDMS) | < 0.300 | NA | NA | NA |
| 4-Chlorophenylmethyl Sulfoxide | NA | NA | NA | NA |
| 4-Chlorophenylmethyl Sulfoxide (GDMS) | < 0.300 | NA | NA | NA |
| Aldrin | < 0.00211 | 0.00414 | 0.00623 | 0.00320 |
| Aldrin (GDMS) | < 0.300 | NA | NA | NA |
| Atrazine (GDMS) | < 0.300 | NA | NA | NA |
| Benothiazole | NA | NA | NA | NA |
| Bicyclo [2,2,1] hepta-2,5-diene | NA | NA | NA | NA |
| Bicyclo [2,2,1] hepta-2,5-diene (GDMS) | NA | NA | NA | NA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GDMS) | < 2.00 | NA | NA | NA |
| Dicyclopentadiene | NA | NA | NA | NA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

ed

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1261S | MA1263UB | MA1264UB | MA1265UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 30 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/02/90 | 07/02/90 | 07/02/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Dicyclopentadiene (GCMS) | < 1.00 | MA | MA | MA |
| Dieldrin | 0.0461 | 0.0106 | 0.0245 | < 0.00181 |
| Dieldrin (GCMS) | < 0.300 | MA | MA | MA |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | MA | MA | MA |
| Dithiane | MA | MA | MA | MA |
| Dithiane (GCMS) | < 0.400 | MA | MA | MA |
| Endrin | < 0.00471 | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin (GCMS) | < 0.500 | MA | MA | MA |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | MA | MA | MA |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | < 0.300 | MA | MA | MA |
| Malathion (GCMS) | < 0.700 | MA | MA | MA |
| Parathion (GCMS) | < 0.900 | MA | MA | MA |
| Supona (GCMS) | < 0.600 | MA | MA | MA |
| Vapona (GCMS) | < 3.00 | MA | MA | MA |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample IC | MA1261S | MA1263UB | MA1264UB | MA1265UB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 30 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/02/90 | 07/02/90 | 07/02/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GDMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | MA | MA | MA | MA |
| 1,1,2-Trichloroethane (GDMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | MA | MA | MA | MA |
| 1,1-Dichloroethane (GDMS) | MA | MA | MA | MA |
| 1,1-Dichloroethene | MA | MA | MA | MA |
| 1,2-Dichloroethane | MA | MA | MA | MA |
| 1,2-Dichloroethane (GDMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | MA | MA | MA | MA |
| Benzene | MA | MA | MA | MA |
| Benzene (GDMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | MA | MA | MA | MA |
| Carbon Tetrachloride (GDMS) | MA | MA | MA | MA |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GDMS) | MA | MA | MA | MA |
| Chloroform | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

nd.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1261S | MA1263UB | MA1264UB | MA1265UB |
|------------------------------|----------|----------|----------|----------|
| Depth | 30 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/02/90 | 07/02/90 | 07/02/90 |
| Analytes | | | | |
| Volatiles | MA | MA | MA | MA |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | MA | MA | MA |
| Dibromochloropropane (GCMS) | < 0.300 | MA | MA | MA |
| Dimethyl Disulfide | MA | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | MA | MA | MA | MA |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| m-Xylene | MA | MA | MA | MA |
| m-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,p-Xylene | MA | MA | MA | MA |
| O,p-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1261S | MA1263UB | MA1264UB | MA1265UB |
|------------------------|----------|----------|----------|----------|
| Depth | 30 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/03/90 | 07/02/90 | 07/02/90 | 07/02/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

sd.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1266UB | MA1267UB | MA1269UB | MA1270UB |
|--------------------------------------------------------------|-----------|-----------|----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/02/90 | 07/02/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| <hr/> | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| Cadmium | MA | MA | MA | < 1.20 |
| Calcium | MA | MA | MA | MA |
| Chromium | MA | MA | MA | 14.5 |
| Copper | MA | MA | MA | 10.4 |
| Iron | MA | MA | MA | MA |
| Lead | MA | MA | MA | 39.0 |
| Magnesium | MA | MA | MA | MA |
| Manganese | MA | MA | MA | MA |
| Mercury | < 0.0500 | 0.0096 | < 0.0500 | < 0.0500 |
| Potassium | MA | MA | MA | MA |
| Sodium | MA | MA | MA | MA |
| Zinc | MA | MA | MA | 55.6 |
| <hr/> | | | | |
| Semi-volatiles | | | | |
| 1,4-Oxathiane | MA | MA | MA | MA |
| 1,4-Oxathiane (GCMS) | MA | MA | MA | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.00277 | < 0.00277 | 0.00280 | < 0.00277 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | MA | MA | MA | < 0.500 |

Notes: Values are reported to microgram per gram.

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or above the Certified Reporting Limit.> -- Indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1266UB | MA1267UB | MA1269UB | MA1270UB |
|-----------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/02/90 | 07/02/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Seavolatilites | | | | |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | < 0.00466 | < 0.00466 | 0.00452 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GDMS) | MA | MA | MA | < 0.600 |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GDMS) | MA | MA | MA | < 0.900 |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GDMS) | MA | MA | MA | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GDMS) | MA | MA | MA | < 0.300 |
| Aldrin | < 0.00211 | < 0.00211 | < 0.00211 | 0.00534 |
| Aldrin (GDMS) | MA | MA | MA | < 0.300 |
| Atrazine (GDMS) | MA | MA | MA | < 0.300 |
| Benothiazole | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene | MA | MA | MA | MA |
| Bicyclo [2,2,1] hepta-2,5-diene (GDMS) | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GDMS) | MA | MA | MA | < 2.00 |
| Dicyclopentadiene | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
re-analyzed

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1266UB | MA1267UB | MA1269UB | MA1270UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/02/90 | 07/02/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Seamvolatiles | | | | |
| Dicyclopentadiene (GCMS) | MA | MA | MA | < 1.00 |
| Dieldrin | 0.00741 | 0.00629 | 0.0124 | 0.00536 |
| Dieldrin (GCMS) | MA | MA | MA | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | MA | < 1.00 |
| Dithiane | MA | MA | MA | MA |
| Dithiane (GCMS) | MA | MA | MA | < 0.400 |
| Endrin | < 0.00471 | < 0.00471 | 0.00509 | < 0.00471 |
| Endrin (GCMS) | MA | MA | MA | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | MA | MA | MA | < 0.600 |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | MA | MA | MA | < 0.300 |
| Malathion (GCMS) | MA | MA | MA | < 0.700 |
| Parathion (GCMS) | MA | MA | MA | < 0.900 |
| Supona (GCMS) | MA | MA | MA | < 0.600 |
| Vapona (GCMS) | MA | MA | MA | < 3.00 |
| Volatiles | | | | |
| 1,1,1-Trichloroethane | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

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or above the Certified Reporting Limit.

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above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were

rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1266AB | MA1267AB | MA1269AB | MA1270AB |
|------------------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/02/90 | 07/02/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Volatiles | | | | |
| 1,1,1-Trichloroethane (GDMS) | MA | MA | MA | MA |
| 1,1,2-Trichloroethane | MA | MA | MA | MA |
| 1,1,2-Trichloroethane (GDMS) | MA | MA | MA | MA |
| 1,1-Dichloroethane | MA | MA | MA | MA |
| 1,1-Dichloroethane (GDMS) | MA | MA | MA | MA |
| 1,1-Dichloroethene | MA | MA | MA | MA |
| 1,2-Dichloroethane | MA | MA | MA | MA |
| 1,2-Dichloroethane (GDMS) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) | MA | MA | MA | MA |
| 1,2-Dichloroethenes (cis & trans) (GDMS) | MA | MA | MA | MA |
| Benzene | MA | MA | MA | MA |
| Benzene (GDMS) | MA | MA | MA | MA |
| Carbon Tetrachloride | MA | MA | MA | MA |
| Carbon Tetrachloride (GDMS) | MA | MA | MA | MA |
| Chlorobenzene | MA | MA | MA | MA |
| Chlorobenzene (GDMS) | MA | MA | MA | MA |
| Chloroform | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
re-analyzed.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | NA1266UB | NA1267UB | NA1269UB | NA1270UB |
|------------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/02/90 | 07/02/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Volatiles | | | | |
| Chloroform (GCMS) | MA | MA | MA | MA |
| Dibromochloropropane | MA | MA | MA | MA |
| Dibromochloropropane (GCMS) | MA | MA | MA | < 0.300 |
| Dimethyl Disulfide | MA | MA | MA | MA |
| Dimethyl Disulfide (GCMS) | MA | MA | MA | MA |
| Ethyl Benzene | | | | |
| Ethyl Benzene (GCMS) | MA | MA | MA | MA |
| M-Xylene | MA | MA | MA | MA |
| M-Xylene (GCMS) | MA | MA | MA | MA |
| Methylene Chloride | MA | MA | MA | MA |
| Methylene Chloride (GCMS) | MA | MA | MA | MA |
| Methylisobutyl Ketone | MA | MA | MA | MA |
| Methylisobutyl Ketone (GCMS) | MA | MA | MA | MA |
| O,P-Xylene | MA | MA | MA | MA |
| O,P-Xylene (GCMS) | MA | MA | MA | MA |
| Tetrachloroethene | MA | MA | MA | MA |
| Tetrachloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Table E1 Surficial and Subsurface Soil
Investigative Analytical Data

| Sample ID | MA1266UB | MA1267UB | MA1269UB | MA1270UB |
|------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 07/02/90 | 07/02/90 | 07/02/90 | 07/03/90 |
| Analytes | | | | |
| Volatiles | MA | MA | MA | MA |
| Toluene | MA | MA | MA | MA |
| Toluene (GCMS) | MA | MA | MA | MA |
| Trichloroethene | MA | MA | MA | MA |
| Trichloroethene (GCMS) | MA | MA | MA | MA |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

re-evaluated.

Table E2 Surficial and Subsurface Soil
GC/MS Analytical Data

| Sample ID | HA1237UB | HA1260UB |
|-------------------------------------------------------|----------------------|----------------------|
| Depth | 5 cm | 5 cm |
| Date | 06/18/90 | 07/03/90 |
| Analytes | GC/MS of
HA1237UB | GC/MS of
HA1260UB |
| <hr/> | | |
| Metals/Anions/General Chem | | |
| Arsenic | < 2.50 | < 2.50 |
| Cadmium | < 1.20 | < 1.20 |
| Calcium | 2250 | NA |
| Chromium | 15.7 | 15.9 |
| Copper | 11.8 | 9.02 |
| Iron | 17000 | NA |
| Lead | 19.9 | 19.6 |
| Magnesium | 2690 | NA |
| Manganese | 356 | NA |
| Mercury | < 0.0500 | < 0.0500 |
| Potassium | 3870 | NA |
| Sodium | 66.8 | NA |
| Zinc | 47.7 | 57.2 |
| Semivolatiles | | |
| 1,4-Oxathiane (GCMS) | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.00277 | 0.00718 |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 rejected

Table E2 Surficial and Subsurface Soil
GC/MS Analytical Data

| Sample ID | NA1237MB | NA1260MB |
|--------------------------------------------------------------|-----------|-----------|
| Depth | 5 cm | 5 cm |
| Date | 06/18/90 | 07/03/90 |
| Analytes | GC/MS of | GC/MS of |
| | NA1239MB | NA1244MB |
| Semivolatiles | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GCMS) | < 0.500 | < 0.500 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS) | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS) | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide (GCMS) | < 0.900 | < 0.900 |
| 4-Chlorophenylmethyl Sulfone (GCMS) | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide (GCMS) | < 0.300 | < 0.300 |
| Aldrin | < 0.00211 | 0.00361 |
| Aldrin (GCMS) | < 0.300 | < 0.300 |
| Atrazine (GCMS) | < 0.300 | < 0.300 |
| Chlordane | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | < 2.00 | < 2.00 |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 |
| Dieldrin | 0.00443 | 0.0108 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table E2 Surficial and Subsurface Soil
GC/MS Analytical Data

| Sample ID | MA1237AB | MA1260AB |
|----------------------------------|-----------|-----------|
| Depth | 5 cm | 5 cm |
| Date | 06/18/90 | 07/03/90 |
| | GC/MS of | GC/MS of |
| | MA1233AB | MA1244AB |
| <hr/> | | |
| Analytes | | |
| Semivolatiles | | |
| Dithiane (GCMS) | < 0.400 | < 0.400 |
| Endrin | < 0.00471 | 0.00646 |
| Endrin (GCMS) | < 0.500 | < 0.500 |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 |
| Isodrin | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | < 0.300 | < 0.300 |
| Malathion (GCMS) | < 0.700 | < 0.700 |
| Parathion (GCMS) | < 0.900 | < 0.900 |
| Supona (GCMS) | < 0.600 | < 0.600 |
| Vapona (GCMS) | < 3.00 | < 3.00 |
| Volatiles | | |
| Dibromochloropropane (GCMS) | < 0.300 | < 0.300 |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 rejected

Table E3 Surficial and Subsurface Soil
Duplicate Analytical Data

| Sample ID | HA0995UB | MA1237UB | MA1238UB | MA1240UB |
|----------------------------|----------|----------|----------|----------|
| Depth | 3 cm | 5 cm | 5 cm | 5 cm |
| Date | 02/24/89 | 06/18/90 | 06/18/90 | 06/18/90 |
| | Dup of | Dup of | Dup of | Dup of |
| | MA0995UB | MA1233UB | MA1201UB | MA1209UB |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | 4.34 | < 2.50 |
| Cadmium | MA | < 1.20 | MA | MA |
| Calcium | MA | 2250 | MA | MA |
| Chromium | MA | 15.7 | MA | MA |
| Copper | MA | 11.8 | MA | MA |
| Iron | MA | 17000 | MA | MA |
| Lead | MA | 19.9 | MA | MA |
| Magnesium | MA | 2690 | MA | MA |
| Manganese | MA | 356 | MA | MA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Potassium | MA | 3870 | MA | MA |
| Sodium | MA | 66.8 | MA | MA |
| Zinc | MA | 47.7 | MA | MA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | < 1.74 | MA | MA | MA |
| 1,4-Oxathiane (GMS) | < 0.300 | < 0.300 | MA | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

rejected.

Dup -- Duplicate

Table E3 Surficial and Subsurface Soil
Duplicate Analytical Data

| Sample ID | MA0999AB | MA1237AB | MA1238AB | MA1240AB |
|--------------------------------------------------------------|----------|-----------|-----------|-----------|
| Depth | 3 cm | 5 cm | 5 cm | 5 cm |
| Date | 02/24/89 | 06/18/90 | 06/18/90 | 06/18/90 |
| | Dup of | Dup of | Dup of | Dup of |
| | MA0999AB | MA1233AB | MA1201AB | MA1209AB |
| Analytes | | | | |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) | 0.0198 | < 0.00277 | 0.00911 | 0.0103 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) (GDNS) | < 0.500 | < 0.500 | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D0E) | 0.00367 | < 0.00466 | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (D0E) | < 0.600 | < 0.600 | MA | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (D0E) (GDNS) | < 4.40 | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide | | | | |
| 4-Chlorophenylmethyl Sulfide (GDNS) | < 0.900 | < 0.900 | MA | MA |
| 4-Chlorophenylmethyl Sulfone | < 9.01 | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GDNS) | < 0.300 | < 0.300 | MA | MA |
| 4-Chlorophenylmethyl Sulfonide | R | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfonide (GDNS) | < 0.300 | < 0.300 | MA | MA |
| Aldrin | | | | |
| Aldrin (GDNS) | 0.0202 | < 0.00211 | < 0.00211 | < 0.00211 |
| Atrazine (GDNS) | < 0.300 | < 0.300 | MA | MA |
| Benzothiazole | < 0.300 | < 0.300 | MA | MA |
| Chlordane | < 2.04 | MA | MA | MA |
| | 0.0515 | < 0.0230 | < 0.0230 | < 0.0230 |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 MA -- Not Analyzed.
 R -- Data did not meet quality control criteria and were
 rejected.

Table E3 Surficial and Subsurface Soil
Duplicate Analytical Data

| Sample ID
Depth
Date | NA09954UB
3 cm
02/24/89
Dup of
NA09944UB | NA1237UB
5 cm
06/18/90
Dup of
NA1233UB | NA1238UB
5 cm
06/18/90
Dup of
NA1201UB | NA1240UB
5 cm
06/18/90
Dup of
NA1209UB |
|--------------------------------------|------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| Chlordane (GCMS) | < 2.00 | < 2.00 | MA | MA |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | MA | MA |
| Dieldrin | 0.210 | 0.00443 | 0.00696 | 0.00529 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | MA | MA |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | MA | MA |
| Dithiane | < 1.45 | MA | MA | MA |
| Dithiane (GCMS) | < 0.400 | < 0.400 | MA | MA |
| Endrin | 0.0187 | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin (GCMS) | < 0.500 | < 0.500 | MA | MA |
| Hexachlorocyclopentadiene | < 0.00180 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | MA | MA |
| Isodrin | < 0.00110 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | MA | MA |
| Malathion (GCMS) | < 0.700 | < 0.700 | MA | MA |
| Parathion (GCMS) | < 0.900 | < 0.900 | MA | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Dup -- Duplicate

Table E3 Surficial and Subsurface Soil
Duplicate Analytical Data

| Sample ID
Depth
Date | MA09954UB
3 cm
02/24/89
Dup of
MA09954UB | MA1237UB
5 cm
06/18/90
Dup of
MA1233UB | MA1230UB
5 cm
06/18/90
Dup of
MA1207UB | MA1240UB
5 cm
06/18/90
Dup of
MA1209UB |
|-----------------------------|------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Analytes | | | | |
| Semivolatiles | | | | |
| Sopone (GCMS) | < 0.600 | < 0.600 | MA | MA |
| Vapone (GCMS) | < 3.00 | < 3.00 | MA | MA |
| Volatiles | | | | |
| Cibromochloropropene | P | MA | MA | MA |
| Dibromochloropropene (GCMS) | < 0.300 | < 0.300 | MA | MA |
| Dimethyl Disulfide | < 3.12 | MA | MA | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

at

Table E3 Surficial and Subsurface Soil
Duplicate Analytical Data

| Sample ID | NA1241UB | NA1242UB | NA1260UB | NA1268UB |
|-----------------------------|--------------------|--------------------|--------------------|--------------------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/15/90 | 07/03/90 | 07/02/90 |
| | Dup of
NA1217UB | Dup of
NA1220UB | Dup of
NA1264UB | Dup of
NA1267UB |
| Analytes | | | | |
| Metals/Anions/General Chems | | | | |
| Arsenic | < 2.50 | 3.74 | < 2.50 | < 2.50 |
| Cadmium | NA | NA | < 1.20 | NA |
| Calcium | NA | NA | NA | NA |
| Chromium | NA | NA | 15.9 | NA |
| Copper | NA | NA | 9.02 | NA |
| Iron | NA | NA | NA | NA |
| Lead | NA | NA | 19.6 | NA |
| Magnesium | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | 0.111 |
| Potassium | NA | NA | NA | NA |
| Sodium | NA | NA | NA | NA |
| Zinc | NA | NA | 57.2 | NA |
| Semivolatiles | | | | |
| 1,4-Oxathiane | NA | NA | NA | NA |
| 1,4-Oxathiane (GORS) | NA | NA | < 0.300 | NA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
rejected.

Dup -- Duplicate

Table E3 Surficial and Subsurface Soil
Duplicate Analytical Data

| Sample ID
Depth
Date | MA1241UB
5 cm
06/18/90
Dup of
MA1217UB | MA1242UB
5 cm
06/15/90
Dup of
MA1220UB | MA1260UB
5 cm
07/03/90
Dup of
MA1244UB | MA1268UB
5 cm
07/02/90
Dup of
MA1267UB |
|--------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Analytes | | | | |
| Semi-volatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GDMS) | < 0.00277 | < 0.00277 | 0.00718 | < 0.00277 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GDMS) | MA | MA | < 0.500 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GDMS) | < 0.00466 | < 0.00466 | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GDMS) | MA | MA | < 0.600 | MA |
| 4-Chlorophenylmethyl Sulfide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfide (GDMS) | MA | MA | < 0.900 | MA |
| 4-Chlorophenylmethyl Sulfone | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfone (GDMS) | MA | MA | < 0.300 | MA |
| 4-Chlorophenylmethyl Sulfoxide | MA | MA | MA | MA |
| 4-Chlorophenylmethyl Sulfoxide (GDMS) | MA | MA | < 0.300 | MA |
| Aldrin | < 0.00211 | < 0.00211 | 0.00361 | < 0.00211 |
| Aldrin (GDMS) | MA | MA | < 0.300 | MA |
| Atrazine (GDMS) | MA | MA | < 0.300 | MA |
| Benothiazole | MA | MA | MA | MA |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

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Table E3 Surface and Subsurface Soil
Duplicate Analytical Data

| Sample ID | MA1261UB | MA1242UB | MA1260UB | MA1268UB |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/15/90 | 07/03/90 | 07/02/90 |
| | Dup of | Dup of | Dup of | Dup of |
| | MA1217UB | MA1220UB | MA1244UB | MA1267UB |
| Analytes | | | | |
| Semivolatiles | | | | |
| Chlordane (GCMS) | MA | MA | < 2.00 | MA |
| Dicyclopentadiene (GCMS) | MA | MA | < 1.00 | MA |
| Dieldrin | < 0.00181 | < 0.00181 | 0.0108 | 0.00629 |
| Dieldrin (GCMS) | MA | MA | < 0.300 | MA |
| Diisopropyl Methylphosphonate (GCMS) | MA | MA | < 1.00 | MA |
| Dithiane | MA | MA | MA | MA |
| Dithiane (GCMS) | MA | MA | < 0.400 | MA |
| Endrin | < 0.00471 | < 0.00471 | 0.00646 | < 0.00471 |
| Endrin (GCMS) | MA | MA | < 0.500 | MA |
| Hexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Hexachlorocyclopentadiene (GCMS) | MA | MA | < 0.600 | MA |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | MA | MA | < 0.300 | MA |
| Malathion (GCMS) | MA | MA | < 0.700 | MA |
| Parathion (GCMS) | MA | MA | < 0.900 | MA |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
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 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were
 rejected.

Dup -- Duplicate

Table E3 Surficial and Subsurface Soil
Duplicate Analytical Data

| Sample ID | MA1241UB | MA1242UB | MA1260UB | MA1267UB |
|-----------------------------|----------|----------|----------|----------|
| Depth | 5 cm | 5 cm | 5 cm | 5 cm |
| Date | 06/18/90 | 06/15/90 | 07/03/90 | 07/02/90 |
| | Dup of | Dup of | Dup of | Dup of |
| | MA1217UB | MA1220UB | MA1264UB | MA1267UB |
| Analytes | | | | |
| Semivolatiles | | | | |
| Supona (GCMS) | MA | MA | < 0.600 | MA |
| Vapona (GCMS) | MA | MA | < 3.00 | MA |
| Volatiles | | | | |
| Dibromochloropropane | MA | MA | MA | MA |
| Dibromochloropropane (GCMS) | MA | MA | < 0.300 | MA |
| Dimethyl Disulfide | MA | MA | MA | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- data did not meet quality control criteria and were

rejected.

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Table E4. Surficial and Subsurface Soil
Background Analytical Data

| Sample ID | MA1236UB | MA1243UB | MA1244UB | MA1262UB |
|--------------------------------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 0 cm | 6 cm | 6 cm | 6 cm |
| Date | 07/03/90 | 07/03/90 | 07/03/90 | 07/03/90 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 2.50 | < 2.50 | < 2.50 | < 2.50 |
| Cadmium | < 1.20 | < 1.20 | < 1.20 | < 1.20 |
| Chromium | 14.9 | 11.4 | 14.1 | 17.1 |
| Copper | 8.14 | 6.61 | 7.95 | 9.35 |
| Lead | 13.0 | 10.6 | 13.2 | 19.3 |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Zinc | 37.4 | 30.7 | 47.9 | 52.9 |
| Semivolatiles | | | | |
| 1,4-Dioxane (GOMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.00277 | < 0.00277 | < 0.00277 | 0.00578 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) (GOMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) | < 0.00466 | < 0.00466 | < 0.00466 | < 0.00466 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DOE) (GOMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| 4-Chlorophenylmethyl Sulfide (GOMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| 4-Chlorophenylmethyl Sulfone (GOMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| 4-Chlorophenylmethyl Sulfoxide (GOMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Aldrin | 0.00328 | < 0.00211 | < 0.00211 | < 0.00211 |
| Aldrin (GOMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table E4. Surface and Subsurface Soil
Background Analytical Data

| Sample ID | MA12364B | MA12434B | MA12444B | MA12624B |
|--------------------------------------|-----------|-----------|-----------|-----------|
| Depth | 0 cm | 6 cm | 6 cm | 6 cm |
| Date | 07/03/90 | 07/03/90 | 07/03/90 | 07/03/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Atrazine (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Chlordane | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Chlordane (GCMS) | < 2.00 | < 2.00 | < 2.00 | < 2.00 |
| Dicyclopentadiene (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dieldrin | < 0.00181 | < 0.00181 | < 0.00181 | 0.00294 |
| Dieldrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Diisopropyl Methylphosphonate (GCMS) | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dichloro (GCMS) | < 0.400 | < 0.400 | < 0.400 | < 0.400 |
| Endrin | < 0.00471 | < 0.00471 | < 0.00471 | < 0.00471 |
| Endrin (GCMS) | < 0.500 | < 0.500 | < 0.500 | < 0.500 |
| Mexachlorocyclopentadiene | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Mexachlorocyclopentadiene (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |
| Isodrin | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |
| Isodrin (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Malathion (GCMS) | < 0.700 | < 0.700 | < 0.700 | < 0.700 |
| Parathion (GCMS) | < 0.900 | < 0.900 | < 0.900 | < 0.900 |
| Supona (GCMS) | < 0.600 | < 0.600 | < 0.600 | < 0.600 |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

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Table E4. Surficial and Subsurface Soil
Background Analytical Data

| Sample ID | MA1236UB | MA1243UB | MA1244UB | MA1262UB |
|-----------------------------|----------|----------|----------|----------|
| Depth | 0 cm | 6 cm | 6 cm | 6 cm |
| Date | 07/03/90 | 07/03/90 | 07/03/90 | 07/03/90 |
| Analytes | | | | |
| Semivolatiles | | | | |
| Vapors (GCMS) | < 3.00 | < 3.00 | < 3.00 | < 3.00 |
| Volatiles | | | | |
| Dibromochloropropane (GCMS) | < 0.300 | < 0.300 | < 0.300 | < 0.300 |

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

rejected.

Appendix F
BIOTA ANALYTICAL DATA

LIST OF TABLES

Table No.

| | |
|----|------------------------------------------------------|
| F1 | Biota Investigative Analytical Data |
| F2 | Biota QA/QC Analytical Data |
| F3 | Biota Duplicate Analytical Data |
| F4 | Species of Possible Occurrence in Offpost Study Area |

Table F1 Biota Investigative Analytical Data

| Sample ID | Sample ID | Sample ID | Sample ID | Sample ID |
|-------------------------------------------------------|-----------|-----------|-----------|-----------|
| Date | Date | Date | Date | Date |
| HA0982BA | HA0983BA | HA0984BA | HA1006BE | HA1009BM |
| 11/18/88 | 11/18/88 | 11/18/88 | 04/20/89 | 08/07/89 |
| HA1010EH | | | | 08/07/89 |
| Analytes | | | | |
| Metals/Anions/General Chem | | | | |
| Arsenic | < 0.250 | < 0.250 | < 0.2500 | MA |
| Mercury | < 0.0500 | 0.0518 | < 0.0500 | MA |
| Semivolatiles | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) | < 0.132 | < 0.132 | < 0.1320 | MA |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDT) | < 0.0630 | < 0.0630 | < 0.0630 | MA |
| Aldrin | < 0.0130 | < 0.0130 | < 0.0130 | MA |
| Dieldrin | 0.251 | 0.0264 | 0.0179 | MA |
| Endrin | < 0.0360 | < 0.0360 | < 0.0360 | MA |
| Volatiles | | | | |
| Dibromochloropropane | MA | MA | MA | < 0.195 |
| | | | | < 0.195 |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 MA -- Not Analyzed.

Table F1 Biota Investigative Analytical Data

| Sample ID
Date | MA1012BF
08/07/89 | MA1013BF
08/07/89 | MA1017BP
09/07/89 | MA1036BB
10/19/89 | MA1037BB
10/19/89 | MA1038BB
10/19/89 |
|-------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | | |
| Metals/Anions/General Chem | | | | | | |
| Arsenic | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Semivolatiles | | | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDT) | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 |
| Aldrin | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 |
| Dieldrin | 0.0533 | 0.0704 | 0.0230 | < 0.0180 | < 0.0180 | < 0.0180 |
| Endrin | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 |
| Volatiles | | | | | | |
| Dibromochloropropane | MA | MA | MA | MA | MA | MA |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.

MA -- Not Analyzed

Table f1 Biota Investigative Analytical Data

| Sample ID
Date | HA103988
10/19/89 | HA104088
10/19/89 | HA10428P
09/07/89 | HA10438P
09/07/89 | HA10498
09/25/89 | HA10508
09/07/89 |
|-------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|
| Analytes | | | | | | |
| Metals/Anions/General Chem | | | | | | |
| Arsenic | < 0.250 | < 0.250 | < 0.250 | < 0.250 | 0.771 | < 0.250 |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Semivolatiles | | | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) | < 0.0630 | < 0.0630 | 0.106 | < 0.0630 | < 0.0630 | < 0.0630 |
| Aldrin | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 |
| Dieldrin | < 0.0180 | < 0.0180 | 0.230 | < 0.0180 | < 0.0180 | < 0.0180 |
| Endrin | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 |
| Volatiles | | | | | | |
| Dibromochloropropane | NA | NA | NA | NA | NA | NA |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 NA -- Not Analyzed.

Table F1 Biota Investigative Analytical Data

| Sample ID
Date | NA10518
09/23/89 | NA10528
09/13/89 | NA10538
09/12/89 | NA10548
09/13/89 | NA10558
10/24/89 | NA10568
09/12/89 |
|-------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Analytes | | | | | | |
| Metals/Anions/General Chem | | | | | | |
| Arsenic | < 0.250 | NA | 1.36 | < 0.250 | < 0.250 | < 0.250 |
| Mercury | < 0.0500 | NA | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Semivolatiles | | | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (D01) | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (D0E) | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 |
| Aldrin | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 |
| Dieldrin | 0.571 | < 0.0180 | 0.0230 | < 0.0180 | 0.0327 | < 0.0180 |
| Endrin | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 |
| Volatiles | | | | | | |
| Dibromochloropropane | NA | NA | NA | NA | NA | NA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

Table F1 Biota Investigative Analytical Data

| Sample ID
Date | MA10578
09/13/89 | MA10588
09/13/89 | MA10598
09/23/89 | MA10608
10/27/89 | MA10618
09/22/89 | MA10628
09/22/89 |
|-------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Analytes | | | | | | |
| Metals/Anions/General Chem | | | | | | |
| Arsenic | 1.33 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | 0.573 |
| Mercury | 0.0612 | < 0.0500 | < 0.0500 | < 0.0500 | 0.0097 | < 0.0500 |
| Semivolatiles | | | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDD) | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 |
| Aldrin | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 |
| Dieldrin | 0.0211 | < 0.0180 | 0.143 | < 0.0180 | < 0.0180 | < 0.0180 |
| Endrin | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 |
| Volatiles | NA | NA | NA | NA | NA | NA |
| Dibromochloropropane | | | | | | |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.
 NA -- Not Analyzed.

Table F1 Siota Investigative Analytical Data

| Sample ID
Date | MA10638
09/13/89 | MA10648
09/14/89 | MA10658
09/23/89 | MA12458
09/11/89 | MA12478
09/11/89 | MA12488
10/26/89 |
|-------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Analytes | | | | | | |
| Metals/Anions/General Chem | | | | | | |
| Arsenic | 1.69 | < 0.250 | < 0.250 | MA | MA | < 0.250 |
| Mercury | 0.0612 | < 0.0500 | < 0.0500 | MA | MA | < 0.0500 |
| Semivolatiles | | | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT) | < 0.132 | < 0.132 | < 0.132 | < 0.171 | < 0.132 | < 0.132 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DOE) | < 0.0630 | < 0.0530 | < 0.0630 | < 0.0819 | < 0.0630 | < 0.0630 |
| Aldrin | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0169 | < 0.0130 | < 0.0130 |
| Dieldrin | < 0.0180 | < 0.0180 | < 0.0180 | < 0.0234 | 0.0282 | < 0.0180 |
| Endrin | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0468 | < 0.0360 | < 0.0360 |
| Volatiles | | | | | | |
| Dibromochloropropane | MA | MA | MA | MA | MA | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA - 11/2

Table F1 Biota Investigative Analytical Data

| Sample ID
Date | MA12498
09/12/89 | MA12498
10/24/89 | MA12508
09/12/89 | MA12518
09/23/89 | MA12528
10/27/89 | MA12538
09/22/89 |
|-------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Analytes | | | | | | |
| Metals/Anions/General Chem | | | | | | |
| Arsenic | MA | < 0.250 | 1.85 | < 0.250 | < 0.250 | 1.02 |
| Mercury | MA | < 0.0500 | 0.0767 | < 0.0500 | < 0.0500 | < 0.0500 |
| Semivolatiles | | | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.132 | MA | < 0.132 | < 0.132 | < 0.132 | < 0.155 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) | MA | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0420 |
| Aldrin | MA | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0210 |
| Dieldrin | MA | < 0.0180 | < 0.0180 | 0.0267 | < 0.0180 | < 0.0260 |
| Endrin | MA | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0450 |
| Volatiles | | | | | | |
| Dibromochloropropane | MA | MA | MA | MA | MA | MA |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

Table F1 Biota Investigative Analytical Data

| Sample ID
Date | MA12548
09/13/89 | MA12558F
01/02/90 | MA12558L
01/02/90 | MA12568F
01/21/90 | MA12568L
01/21/90 | MA12578F
01/23/90 |
|-------------------------------------------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Analytes | | | | | | |
| Metals/Anions/General Chem | | | | | | |
| Arsenic | 0.965 | < 0.250 | < 0.250 | < 0.250 | < 0.250 | < 0.250 |
| Mercury | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 | < 0.0500 |
| Semivolatiles | | | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 | < 0.132 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 | < 0.0630 |
| Aldrin | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 | < 0.0130 |
| Dieldrin | 0.0221 | < 0.0180 | < 0.0180 | < 0.0180 | < 0.0180 | < 0.0180 |
| Endrin | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 | < 0.0360 |
| Volatiles | | | | | | |
| Dibromochloropropane | MA | MA | MA | MA | MA | MA |

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 above the Maximum Reporting Limit.

Table F1 Biota Investigative Analytical Data

Sample ID
Date

MA1257BL
01/23/90

Analytes

Metals/Anions/General Chem

Arsenic

Mercury

NA

NA

SemiVolatiles

2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE)

2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDT)

Aldrin

Dieldrin

Endrin

< 0.132

< 0.0630

< 0.0130

0.390

< 0.0360

Volatiles

Dibromochloropropane

NA

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

Table F2 Biota OA/OC Analytical Data

| | | | | |
|-----------|----------|----------|----------|----------|
| Sample ID | NA10118M | NA10148M | NA10158M | NA10168M |
| Date | 08/07/89 | 08/07/89 | 08/07/89 | 08/07/89 |
| | FB of | LS of | HS of | HS of |
| | NA10098M | NA10098M | NA10098M | NA10098M |

Analytes

Volatiles

Dibromochloropropane

< 0.195 0.396 2.95 2.53

Notes: Values are reported in micrograms per gram.
 Reported values are accurate to three significant figures.
 < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 NA -- Not Analyzed.
 FB -- Field Blank
 LS -- Low Spike
 HS -- High Spike

Table F3 Biota Duplicate Analytical Data

MA12558FD
01/02/90
Dup of
MA12558F

Sample ID
Date

Analytes

Metals/Anions/General Chem

Arsenic
Mercury

< 0.250
< 0.000

Semivolatiles

2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE)
2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE)

Aldrin
Dieldrin
Endrin

< 0.132
< 0.0630
< 0.0130
< 0.0180
< 0.0360

Notes: Values are reported in micrograms per gram.
Reported values are accurate to three significant figures.
< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.
> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit.
NA -- Not Analyzed.
R -- Data did not meet quality control criteria and were
rejected.

Table F4. Species of Possible Occurrence in the Offpost Study Area
(Page 1 of 8)

| Family | Genus | Species | Common Name | Status | Habitat | Observed
Offpost |
|------------|----------------|-----------------------|----------------------------|--------|-------------------------------|---------------------|
| Reptiles | Chelydridae | <u>Chelydra</u> | Snapping turtle | b | Rpl, Ms, OW-St/Ri, OW-L/R | |
| | Colubridae | <u>Crotalus</u> | Eastern yellowbelly racer | B | SgP, MXP, TgP, Rpl, Ag, U | |
| | Colubridae | <u>Lampropeltis</u> | Western hognose snake | B | SgP, TgP, Rpl, Ag, sd | |
| | Colubridae | <u>Amphispeltis</u> | Milk snake | B | SgP, TgP, Rpl, Ag, sd | |
| | Colubridae | <u>Phrynosoma</u> | Coccywhip | B | SgP, TgP, Rpl, d | |
| | Colubridae | <u>Ninia</u> | Northern water snake | B | Rpl, Ms, OW-St/Ri, OW-L/R | |
| | Colubridae | <u>Pituophis</u> | Belted snake | B | SgP, MXP, TgP, Rpl, Ag, U, Sd | x |
| | Colubridae | <u>Thamnophis</u> | Western Terrestrial garter | B | Rpl, Ms, In | |
| | Colubridae | <u>Thamnophis</u> | Plains garter snake | B | Rpl, Ms, In, SgP, TgP, U | |
| | Colubridae | <u>Thamnophis</u> | Red-sided garter snake | B | Rpl, Ms, In | |
| | Colubridae | <u>Tropidoclonion</u> | Lined snake | B | SgP, U, Rpl | |
| | Eumydridae | <u>Chrysemys</u> | Western Painted turtle | B | Rpl, Ms, OW-St/Ri, OW-L/R | |
| | Eumydridae | <u>Terrapene</u> | Western box turtle | B | SgP, sd, TgP, Rpl | |
| | Iguanidae | <u>Hoplocoptis</u> | Northern earless lizard | B | SgP, MXP, TgP, Ag, sd | |
| | Iguanidae | <u>Phrynosoma</u> | Short-horned lizard | B | SgP, TgP, SgSD, d | |
| | Iguanidae | <u>Sceloporus</u> | Eastern fence lizard | B | SgP, Rpl, d | |
| | Iguanidae | <u>Sceloporus</u> | Northern fence lizard | B | SgP, TgP, sd | |
| | Scincidae | <u>Eumeces</u> | Many-lined skink | B | SgP, TgP, Ag, U, sd | |
| | Scincidae | <u>Eumeces</u> | Great Plains skink | b | SgP, TgP, Ag, Rpl | |
| | Teiidae | <u>Cnemidophorus</u> | Six-lined racerunner | B | SgP, sd, TgP, Rpl | |
| | Trionychidae | <u>Trionyx</u> | Spiny soft-shelled turtle | b | Rpl, OW-St/Ri, OW-L/R, Ms, In | x |
| | Viperidae | <u>Crotalus</u> | Prairie rattlesnake | B | SgP, TgP, d | |
| Amphibians | Amphibomidae | <u>Amphiboma</u> | Tiger salamander | B | Ms, In; All other types | |
| | Bufo | <u>Bufo</u> | Great Plains toad | B | In, SgP, MXP, TgP, Rpl, Ag, U | |
| | Bufo | <u>Bufo</u> | Woodhouse's toad | B | SgP, SgSD, MXP, TgP, Rpl, Ag | |
| | Hyliidae | <u>Pseudacris</u> | Chorus frog | B | Ms, In, Rpl, Ag | |
| | Palobatidae | <u>Scaphiopus</u> | Plains spadefoot | B | In, SgP, sd, TgP | |
| | Ranidae | <u>Rana</u> | Bellfrog | B | Ms, In, Rpl | |
| | Ranidae | <u>Rana</u> | Northern leopard frog | B | Ms, In, Rpl | |
| | Antilocapridae | <u>Antilocapra</u> | Prairiehorn | B | SgP, MXP | |
| | Canidae | <u>Canis</u> | Coyote | B | All types | x |
| | Canidae | <u>Urocyon</u> | Gray fox | B | SgP, TgP, Rpl | |
| | Canidae | <u>Vulpes</u> | Swift fox | B | SgP, Ag | |
| | Canidae | <u>Vulpes</u> | Red fox | B | Ms, Ag | x |
| | Cervidae | <u>Odocoileus</u> | Mule deer | B | Rpl, SgP, TgP | x |
| | Cervidae | <u>Odocoileus</u> | White-tailed deer | B | Rpl | |
| | Cricetidae | <u>Microtus</u> | Prairie vole | B | SgP, TgP, Rpl, Ms | |
| | Cricetidae | <u>Microtus</u> | Meadow vole | B | Rpl, Ms | x |
| Amphibians | Amphibomidae | <u>Amphiboma</u> | Tiger salamander | B | Ms, In; All other types | |
| | Bufo | <u>Bufo</u> | Great Plains toad | B | In, SgP, MXP, TgP, Rpl, Ag, U | |
| | Bufo | <u>Bufo</u> | Woodhouse's toad | B | SgP, SgSD, MXP, TgP, Rpl, Ag | |
| | Hyliidae | <u>Pseudacris</u> | Chorus frog | B | Ms, In, Rpl, Ag | |
| | Palobatidae | <u>Scaphiopus</u> | Plains spadefoot | B | In, SgP, sd, TgP | |
| | Ranidae | <u>Rana</u> | Bellfrog | B | Ms, In, Rpl | |
| | Ranidae | <u>Rana</u> | Northern leopard frog | B | Ms, In, Rpl | |
| | Antilocapridae | <u>Antilocapra</u> | Prairiehorn | B | SgP, MXP | |
| | Canidae | <u>Canis</u> | Coyote | B | All types | x |
| | Canidae | <u>Urocyon</u> | Gray fox | B | SgP, TgP, Rpl | |
| | Canidae | <u>Vulpes</u> | Swift fox | B | SgP, Ag | |
| | Canidae | <u>Vulpes</u> | Red fox | B | Ms, Ag | x |
| | Cervidae | <u>Odocoileus</u> | Mule deer | B | Rpl, SgP, TgP | x |
| | Cervidae | <u>Odocoileus</u> | White-tailed deer | B | Rpl | |
| | Cricetidae | <u>Microtus</u> | Prairie vole | B | SgP, TgP, Rpl, Ms | |

Table F4: (Page 2 of 8)

| Family | Genus | Species | Common Name | Status | Habitat | Observed
Offroad |
|------------------|------------------------|-------------------------|----------------------------|--------|-----------------------|---------------------|
| Cricetidae | <u>Ondatra</u> | <u>rubicincta</u> | Muskrat | B | Ms, OW-Ri/St | |
| Cricetidae | <u>Oryzomys</u> | <u>leucogaster</u> | Northern grasshopper mouse | B | SgP, MXP, TgP | x |
| Cricetidae | <u>Peromyscus</u> | <u>eremicus</u> | Deer mouse | B | All types (esp. MXP) | x |
| Cricetidae | <u>Reithrodontomys</u> | <u>neglectus</u> | Western harvest mouse | B | SgP, MXP, Rpl, Ms, Ag | |
| Cricetidae | <u>R. idrodonomys</u> | <u>montanus</u> | Plains harvest mouse | B | SgP, Rpl | |
| Didelphidae | <u>Didelphis</u> | <u>virginiana</u> | Opussum | B | Rpl, Ag, U | |
| Erethizontidae | <u>Erethizon</u> | <u>donatum</u> | Porcupine | B | Rpl | |
| Felidae | <u>Lynx</u> | <u>rufus</u> | Bobcat | B | Rpl, Ms | |
| Geomyidae | <u>Geococcyx</u> | <u>buranus</u> | Plains pocket gopher | B | SgP, MXP, TgP, Ag | |
| Geomyidae | <u>Thomomys</u> | <u>talpoides</u> | Northern pocket gopher | B | SgP, Ag | |
| Heteromyidae | <u>Dipodomys</u> | <u>ordii</u> | Ord's kangaroo rat | B | SgP, MXP, TgP, Rpl | x |
| Heteromyidae | <u>Perognathus</u> | <u>flavescens</u> | Olive-backed pocket mouse | B | SgP | |
| Heteromyidae | <u>Peromyscus</u> | <u>flavescens</u> | Plains pocket mouse | B | SgP, TgP | |
| Heteromyidae | <u>Peromyscus</u> | <u>flavescens</u> | Silky pocket mouse | B | SgP, MXP, TgP | |
| Leporidae | <u>Lepus</u> | <u>californicus</u> | Harpad pocket mouse | B | SgP, MXP, SS, Rpl | |
| Leporidae | <u>Lepus</u> | <u>townsendii</u> | Black-tailed jackrabbit | B | SgP, MXP, TgP | x |
| Leporidae | <u>Sylvilagus</u> | <u>floridus</u> | White-tailed jackrabbit | B | SgP, MXP | |
| Leporidae | <u>Sylvilagus</u> | <u>floridus</u> | Desert cottontail | B | SgP, Rpl | x |
| Muridae | <u>Mus</u> | <u>musculus</u> | House mouse | B | Rpl | x |
| Muridae | <u>Rattus</u> | <u>norvegicus</u> | Norway rat | B, I | Rpl, Ms, Cr, U | x |
| Mustelidae | <u>Mustela</u> | <u>ermine</u> | Striped skunk | B, I | Rpl, Cr, U | |
| Mustelidae | <u>Mustela</u> | <u>ermine</u> | Long-tailed weasel | B | All types | x |
| Mustelidae | <u>Mustela</u> | <u>ermine</u> | Black-footed ferret | B | All types | |
| Mustelidae | <u>Mustela</u> | <u>ermine</u> | Mink | E | SgP, MXP | |
| Mustelidae | <u>Spilogale</u> | <u>putorius</u> | Spotted skunk | b | Rpl | |
| Mustelidae | <u>Taxidea</u> | <u>taxus</u> | Badger | B | Rpl | x |
| Procyonidae | <u>Procyon</u> | <u>lotor</u> | Raccoon | B | SgP, SgSD, TgP | x |
| Sciuridae | <u>Sciurus</u> | <u>hudsonicus</u> | Black-tailed prairie dog | B | Rpl, Ms, Ag | x |
| Sciuridae | <u>Sciurus</u> | <u>niger</u> | Fox squirrel | B | SgP, MXP, U | x |
| Sciuridae | <u>Spermophilus</u> | <u>spilosoma</u> | Spotted ground squirrel | B | Rpl, U | |
| Sciuridae | <u>Spermophilus</u> | <u>tridecemlineatus</u> | 13-lined ground squirrel | B | SgP, TgP | |
| Sciuridae | <u>Spermophilus</u> | <u>variegatus</u> | Rock squirrel | B | MXP, TgP | |
| Soricidae | <u>Cryptotis</u> | <u>parva</u> | Least shrew | B | Rpl, Ms, Roadside | |
| Soricidae | <u>Sorex</u> | <u>cinereus</u> | Masked shrew | B | Ms, Rpl | |
| Soricidae | <u>Sorex</u> | <u>merriami</u> | Merriam's shrew | B | SgP | |
| Vespertilionidae | <u>Eptesicus</u> | <u>fuscus</u> | Big brown bat | B | Rpl, U | |
| Vespertilionidae | <u>Lasiurus</u> | <u>noctivagus</u> | Silver-haired bat | M | Rpl | |
| Vespertilionidae | <u>Myotis</u> | <u>lucifugus</u> | Little brown myotis | b | U | |
| Vespertilionidae | <u>Myotis</u> | <u>subulatus</u> | Small-footed myotis | b | U, SgP, MXP, TgP | |
| Vespertilionidae | <u>Nycterus</u> | <u>cinereus</u> | Hoary bat | M | Rpl | |
| Zapodidae | <u>Zapus</u> | <u>hudsonius</u> | Meadow jumping mouse | B | Ms | |

Table F4: (Page 3 of 8)

| Family | Genus | Species | Common Name | Status | Habitat | Observed Offpost |
|---------------|-----------------------|-----------------------|---------------------------|--------|-----------------------|------------------|
| Birds | | | | | | |
| Accipitridae | <u>Aquila</u> | <u>chrysaetos</u> | Golden eagle | R | Ag, SgP | x |
| Accipitridae | <u>Buteo</u> | <u>jamaicensis</u> | Red-tailed hawk | R | Ag, all types | |
| Accipitridae | <u>Buteo</u> | <u>lagopus</u> | Rough-legged hawk | W | Ag, SgP | x |
| Accipitridae | <u>Buteo</u> | <u>regalis</u> | Ferruginous hawk | R | SgP, Ag, Rpl | x |
| Accipitridae | <u>Buteo</u> | <u>swainsoni</u> | hawk | B | Ag, Rpl | x |
| Accipitridae | <u>Circus</u> | <u>cyaneus</u> | Northern Harrier | R | Ms, Cr, Ag, Aq | x |
| Accipitridae | <u>Haliaeetus</u> | <u>leucoccephalus</u> | Bald eagle | W, E | U, Ag, SgP, MXP | x |
| Alcedinidae | <u>Ceryle</u> | <u>alpestris</u> | Horned lark | R | GL, U | x |
| Alcedinidae | <u>Anas</u> | <u>alcyon</u> | Belled kingfisher | R | Rpl, Ri, L | |
| Anatidae | <u>Anas</u> | <u>acuta</u> | Northern Pintail | R | Aq, L | |
| Anatidae | <u>Anas</u> | <u>americana</u> | American wigeon | R | Aq, L | |
| Anatidae | <u>Anas</u> | <u>cyrenata</u> | Northern shoveler | R | Aq, L | |
| Anatidae | <u>Anas</u> | <u>crecca</u> | Green-winged teal | R | Aq, L | x |
| Anatidae | <u>Anas</u> | <u>cyanoptera</u> | Cinnamon teal | B | Aq, L | |
| Anatidae | <u>Anas</u> | <u>discors</u> | Blue-winged teal | B | Aq, L | |
| Anatidae | <u>Anas</u> | <u>platyrhynchos</u> | Mallard | R | Aq, Cr | x |
| Anatidae | <u>Anas</u> | <u>serripes</u> | Gadwall | R | Aq | |
| Anatidae | <u>Anas</u> | <u>canadensis</u> | Canada goose | R | Ag, Cr | |
| Anatidae | <u>Chen</u> | <u>caerulescens</u> | Snow goose | M | L, Ms, Cr | |
| Anatidae | <u>Chen</u> | <u>cucullatus</u> | Hooded merganser | W | Ms, Rpl, Ri | |
| Anatidae | <u>Mergus</u> | <u>mergamus</u> | Common merganser | W | Ag, Rpl | |
| Anatidae | <u>Mergus</u> | <u>septrator</u> | Red-breasted merganser | M | Aq | |
| Anatidae | <u>Ardea</u> | <u>herodias</u> | Great blue heron | R | Aq, Rpl | x |
| Anatidae | <u>Pelecanus</u> | <u>americanus</u> | American bittern | b | Ms | |
| Anatidae | <u>Bubulcus</u> | <u>ibis</u> | Cattle egret | n | Ms, Rpl, Ri, L, Cr | |
| Anatidae | <u>Bubulcus</u> | <u>ibis</u> | Green-backed heron | B | Rpl, Ms, L, Ri | |
| Anatidae | <u>Ardea</u> | <u>egretta</u> | Snowy egret | B | Ms, Rpl, Aq | |
| Anatidae | <u>Nycticorax</u> | <u>nycticorax</u> | Black crowned night heron | B | Aq, Rpl | |
| Bombycillidae | <u>Bombycilla</u> | <u>cedrorum</u> | Cedar waxwing | W | Ag, U | |
| Bombycillidae | <u>Bombycilla</u> | <u>garrulus</u> | Bohemian waxwing | B | Rpl, Ag, U | |
| Caprimulgidae | <u>Chordeiles</u> | <u>minor</u> | Common nighthawk | B | GL, U | |
| Caprimulgidae | <u>Phalaenoptilus</u> | <u>nuttalli</u> | Common poorwill | B | Rpl | |
| Cathartidae | <u>Cathartes</u> | <u>aura</u> | Turkey vulture | B | Rpl, GL | |
| Charadriidae | <u>Charadrius</u> | <u>montanus</u> | Mountain plover | b | SgP, Cr, W/OG, L | |
| Charadriidae | <u>Charadrius</u> | <u>semipalmatus</u> | Semipalmated plover | M | W/OG, L | |
| Charadriidae | <u>Charadrius</u> | <u>vociferus</u> | Killdeer | R | GL, Cr, Ag, U | |
| Columbidae | <u>Columba</u> | <u>fasciata</u> | Band-tailed pigeon | B | Cr, Ag | |
| Columbidae | <u>Columba</u> | <u>livia</u> | Rock dove | R | U, Ag | x |
| Columbidae | <u>Zenaidura</u> | <u>macroura</u> | Mourning dove | R | GL, Ag, Rpl, U | |
| Corvidae | <u>Corvus</u> | <u>brachyrhynchos</u> | Common crow | R | Ag, U, Rpl, All types | |

Table F4: (Page 4 of 8)

| Family | Genus | Species | Common Name | Status | Habitat | Observed
Offpost |
|-------------|--------------------|-------------------------|----------------------------|--------|----------------|---------------------|
| Corvidae | <u>Corvus</u> | <u>corax</u> | Common raven | W | GL, Ag | |
| Corvidae | <u>Cyanocitta</u> | <u>cristata</u> | Blue jay | R | Rpl, U, Ag | |
| Corvidae | <u>Pica</u> | <u>pica</u> | Black-billed magpie | R | Ag, U | |
| Emberizidae | <u>Agelaius</u> | <u>phoeniceus</u> | Red-winged blackbird | R | Ma, Ag, GL | x |
| Emberizidae | <u>Aimophila</u> | <u>caerulescens</u> | Cassin's sparrow | b | SgP | |
| Emberizidae | <u>Ammodramus</u> | <u>savannarum</u> | Grasshopper sparrow | GL | | |
| Emberizidae | <u>Calamospiza</u> | <u>melanocephala</u> | Lark bunting | B | GL, Ag | |
| Emberizidae | <u>Calcarius</u> | <u>lapponicus</u> | Lapland longspur | W | GL, Cr | |
| Emberizidae | <u>Calcarius</u> | <u>macurus</u> | McGovern's longspur | M | SgP | |
| Emberizidae | <u>Calcarius</u> | <u>ornatus</u> | Chestnut-collared longspur | M | SgP, MXP | |
| Emberizidae | <u>Chondestes</u> | <u>gramacus</u> | Lark sparrow | B | GL, Rpl | |
| Emberizidae | <u>Dendroica</u> | <u>coronata</u> | Yellow warbler | M | U, Ag, Rpl | |
| Emberizidae | <u>Dendroica</u> | <u>pensylvanica</u> | Chestnut-sided warbler | M | Rpl, Ag, U | |
| Emberizidae | <u>Dendroica</u> | <u>petchana</u> | Yellow warbler | B | Rpl, U, Ag | |
| Emberizidae | <u>Dendroica</u> | <u>striata</u> | Blackpoll warbler | M | Rpl, Ag, U | |
| Emberizidae | <u>Dolichonyx</u> | <u>erythrorus</u> | Bobolink | B | GL, Cr | |
| Emberizidae | <u>Ephagus</u> | <u>carolinus</u> | Rusty blackbird | W | Rpl, Ag | |
| Emberizidae | <u>Ephagus</u> | <u>cyanoccephalus</u> | Brewer's blackbird | R | Ag, Rpl, U | |
| Emberizidae | <u>Geothlypis</u> | <u>trichas</u> | Common yellowthroat | B | Ma, Ag | |
| Emberizidae | <u>Icteria</u> | <u>virens</u> | Yellow-breasted chat | B | Ag, U | |
| Emberizidae | <u>Icterus</u> | <u>galbula</u> | Northern oriole | B | Rpl, Ag, U | |
| Emberizidae | <u>Icterus</u> | <u>spurius</u> | Orchard oriole | B | Rpl, Ag, U | |
| Emberizidae | <u>Junco</u> | <u>hyemalis</u> | Dark-eyed junco | W | U | |
| Emberizidae | <u>Melospiza</u> | <u>georgiana</u> | Swamp sparrow | W | Ma, Rpl | |
| Emberizidae | <u>Melospiza</u> | <u>lincolni</u> | Lincoln's sparrow | M | U, Ma | |
| Emberizidae | <u>Melospiza</u> | <u>melodia</u> | Song sparrow | R | Ma, U | |
| Emberizidae | <u>Miniotilta</u> | <u>varia</u> | Black & white warbler | M | Rpl, U | |
| Emberizidae | <u>Molothrus</u> | <u>ater</u> | Brown-headed cowbird | B | Ag, U, Ma | |
| Emberizidae | <u>Oporornis</u> | <u>tolmiei</u> | MacGillivray warbler | M | U, Ag | |
| Emberizidae | <u>Parula</u> | <u>americana</u> | Northern parula | M | Rpl | |
| Emberizidae | <u>Passerculus</u> | <u>sandwichensis</u> | Savannah Sparrow | B | GL, Ma | |
| Emberizidae | <u>Passerculus</u> | <u>illaca</u> | Fox sparrow | W | Rpl | |
| Emberizidae | <u>Phaeastacus</u> | <u>ludovicianus</u> | Rose-breasted grosbeak | M | Rpl, Ag, U | |
| Emberizidae | <u>Pipilo</u> | <u>erythrophthalmus</u> | Rufous-sided towhee | B | Rpl, U | |
| Emberizidae | <u>Pooecetes</u> | <u>gramineus</u> | Vesper sparrow | B | GL | |
| Emberizidae | <u>Quiscalus</u> | <u>quiscula</u> | Common grackle | B | Rpl, Ag, U | |
| Emberizidae | <u>Seturus</u> | <u>auroparillus</u> | Ovenbird | B | Rpl, Ag, U | |
| Emberizidae | <u>Seturus</u> | <u>noeboracensis</u> | Northern waterthrush | M | Rpl, Ag, U, Ma | |
| Emberizidae | <u>Setophaga</u> | <u>ruticilla</u> | American redstart | B | Rpl | |
| Emberizidae | <u>Spiza</u> | <u>americana</u> | Dickcissel | B | GL | |
| Emberizidae | <u>Spizella</u> | <u>arborae</u> | American tree sparrow | W | Rpl, GL, Ag, U | |
| Emberizidae | <u>Spizella</u> | <u>breweri</u> | Brewer's sparrow | M | GL | |

Table F4: (Page 5 of 8)

| Family | Genus | Species | Common Name | Status | Habitat | Observed
Offpost |
|--------------|-----------------------|-----------------------|----------------------------|--------|----------------------|---------------------|
| Emberizidae | <u>Spizella</u> | <u>pallida</u> | Clay-colored sparrow | M | GL, Ag, U | |
| Emberizidae | <u>Spizella</u> | <u>passerina</u> | Chipping sparrow | B | GL, U, Ag | |
| Emberizidae | <u>Sturnella</u> | <u>neglecta</u> | Western meadowlark | R | Ag, Cr, GL | x |
| Emberizidae | <u>Vermivora</u> | <u>calata</u> | Orange-crown warbler | M | Ag | |
| Emberizidae | <u>Vermivora</u> | <u>perengina</u> | Tennessee warbler | M | U, Ag | |
| Emberizidae | <u>Wilsonia</u> | <u>pusilla</u> | Wilson's warbler | M | Ag, U | |
| Emberizidae | <u>Xanthocephalus</u> | <u>xanthocephalus</u> | Yellow-headed blackbird | B | Ma, Ag, Rpl, U | |
| Emberizidae | <u>Zonotrichia</u> | <u>leucophrys</u> | White-crowned sparrow | W | U, Ag | |
| Falconidae | <u>Falco</u> | <u>columbarius</u> | Martin | W | GL, Rpl, Ma, Ag, U | |
| Falconidae | <u>Falco</u> | <u>mercurius</u> | Prairie falcon | R | GL, Ag, Cr, SgP | |
| Falconidae | <u>Falco</u> | <u>peregrinus</u> | Peregrine falcon | M | GL, Ma | |
| Falconidae | <u>Falco</u> | <u>sparverius</u> | American kestrel | R | Ag, Rpl, SgP, U, GL | x |
| Fringillidae | <u>Carduelis</u> | <u>flammea</u> | Common redpoll | W | GL | |
| Fringillidae | <u>Carduelis</u> | <u>pinus</u> | Pine siskin | W | Rpl, U | |
| Fringillidae | <u>Carduelis</u> | <u>psaltria</u> | Lesser goldfinch | B | Rpl | |
| Fringillidae | <u>Carduelis</u> | <u>trialis</u> | American goldfinch | R | Rpl, Ag, U | |
| Fringillidae | <u>Carpodacus</u> | <u>mericanus</u> | House finch | R | U, Rpl, Ag | |
| Fringillidae | <u>Leucosticte</u> | <u>arctica</u> | Rosy finch | W | U, SgP | |
| Hirundinidae | <u>Hirundo</u> | <u>pyrrhonota</u> | Cliff swallow | B | Ag, Ag | |
| Hirundinidae | <u>Hirundo</u> | <u>rustica</u> | Barn swallow | B | Ag, Ag | |
| Hirundinidae | <u>Hirundo</u> | <u>riparia</u> | Bank swallow | B | Ag, Ag | |
| Hirundinidae | <u>Stelendopteryx</u> | <u>serripennis</u> | North Rough-winged swallow | B | Ag, Ag | |
| Hirundinidae | <u>Tachycineta</u> | <u>bicolor</u> | Tree swallow | B | Ag | |
| Laniidae | <u>Lanius</u> | <u>thalassina</u> | Violet-green swallow | M | Rpl, Ag | |
| Laniidae | <u>Lanius</u> | <u>excubitor</u> | Northern shrike | W | Ag, Rpl, U, GL | |
| Laniidae | <u>Lanius</u> | <u>lucovicianus</u> | Loggerhead shrike | B | SgP, Rpl, GL, Ag | |
| Laniidae | <u>Lanius</u> | <u>niger</u> | Black tern | B | Ma, L | |
| Laridae | <u>Larus</u> | <u>argentatus</u> | Herring gull | W | L, U (dumps) | |
| Laridae | <u>Larus</u> | <u>californicus</u> | California gull | N | L, Ri, Cr, U (dumps) | |
| Laridae | <u>Larus</u> | <u>delawarensis</u> | Ring-billed gull | N | L, Ri, Cr, U (dumps) | |
| Laridae | <u>Larus</u> | <u>philadelphia</u> | Bonaparte's gull | M | L, Ma | |
| Laridae | <u>Larus</u> | <u>pipiscan</u> | Franklin's gull | M | Cr, Ag, GL | |
| Laridae | <u>Sterna</u> | <u>forsteri</u> | Forster's tern | B | L, Ma | |
| Laridae | <u>Sterna</u> | <u>hirundo</u> | Common tern | M | L, Ma | |
| Mimidae | <u>Dumetella</u> | <u>carolinensis</u> | Gray catbird | B | Rpl | |
| Mimidae | <u>Mimus</u> | <u>polyglottos</u> | Northern mockingbird | R | Ag, Rpl | |
| Motacillidae | <u>Toxostoma</u> | <u>rufum</u> | Brown thrasher | B | Rpl, Ag, U | |
| Muscicapidae | <u>Anthus</u> | <u>spinoletta</u> | Water pipit | M | Ag, SgP, Ag | |
| Muscicapidae | <u>Catharus</u> | <u>ustulatus</u> | Swainson's thrush | R | Rpl, U, Ag | |
| Muscicapidae | <u>Myadestes</u> | <u>townsendii</u> | Townsend's solitaire | W | Rpl, U, Ag | |
| Muscicapidae | <u>Sialia</u> | <u>currucoides</u> | Mountain bluebird | M | Ag, U, GL | |
| Muscicapidae | <u>Sialia</u> | <u>mexicana</u> | Western bluebird | B | GL, U, Ag, Rpl | |

Table F4: (Page 6 of 8)

| Family | Genus | Species | Common Name | Status | Habitat | Observed
Offpost |
|------------------|----------------------|------------------------|------------------------|--------|-----------------------------|---------------------|
| Muscicapidae | <u>Salia</u> | <u>sialis</u> | Eastern bluebird | M | Rpl., Ag | |
| Muscicapidae | <u>Turdus</u> | <u>migratorius</u> | American robin | R | Ag, U, Rpl. | x |
| Paridae | <u>Parus</u> | <u>atricapillus</u> | Black-capped chickadee | R | Rpl., U, Ag | |
| Paridae | <u>Parus</u> | <u>gambeli</u> | Mountain chickadee | W | U, Rpl. | |
| Paridae | <u>Passer</u> | <u>domesticus</u> | House sparrow | R, J | Ag, U | x |
| Pelecanidae | <u>Pelecanus</u> | <u>erythrorhynchos</u> | American White pelican | n | Ma, L | x |
| Phalaropodidae | <u>Phalaropus</u> | <u>lobatus</u> | Northern phalarope | M | W/OG, Ma, L, U | |
| Phalaropodidae | <u>Phalaropus</u> | <u>tricolor</u> | Wilson's phalarope | B | W/OG, Ma, Cr | |
| Phasianidae | <u>Alectoris</u> | <u>chukar</u> | Chukar | N, I | Cr, Ag | |
| Phasianidae | <u>Callipepla</u> | <u>quymana</u> | Scaled quail | b | Ag, Rpl. | |
| Phasianidae | <u>Colinus</u> | <u>virginianus</u> | Northern bobwhite | R | Ag, Rpl. | |
| Phasianidae | <u>Phasianus</u> | <u>colchicus</u> | Ring-necked pheasant | R, I | Ag, Cr, Rpl. | |
| Picidae | <u>Colaptes</u> | <u>auratus</u> | Northern flicker | R | U | x |
| Picidae | <u>Melanerpes</u> | <u>erythrocephalus</u> | Red-headed woodpecker | B | Ag, Rpl., U | |
| Picidae | <u>Picoides</u> | <u>pubescens</u> | Downy woodpecker | C | U, Rpl. | |
| Picidae | <u>Picoides</u> | <u>villous</u> | Hairy woodpecker | R | U | |
| Podicipedidae | <u>Ardeophoborus</u> | <u>occidentalis</u> | Western grebe | B | L, Ri, Ma | |
| Podicipedidae | <u>Podiceps</u> | <u>auritus</u> | Horned grebe | M | Ma, L | |
| Podicipedidae | <u>Podiceps</u> | <u>alpinus</u> | Eared grebe | b | Ma, L | |
| Podicipedidae | <u>Podilymbus</u> | <u>podiceps</u> | Pied-billed grebe | R | Ma, L | |
| Rallidae | <u>Fulica</u> | <u>americana</u> | American coot | R | Ma, L | |
| Rallidae | <u>Porzana</u> | <u>caroliniana</u> | Sora | B | Ma | |
| Rallidae | <u>Rallus</u> | <u>lincolni</u> | Virginia rail | R | Ma | |
| Recurvirostridae | <u>Himantopus</u> | <u>americanus</u> | Black-necked stilt | M | L, Ma, W/OG | |
| Scolopacidae | <u>Recurvirostra</u> | <u>americana</u> | American avocet | B | L, Ma, W/OG | |
| Scolopacidae | <u>Bartramia</u> | <u>longicauda</u> | Upland sandpiper | b | TgP, SgP, Cr | |
| Scolopacidae | <u>Calidris</u> | <u>alba</u> | Sanderling | M | W/OG, L, S | |
| Scolopacidae | <u>Calidris</u> | <u>himanlopus</u> | Stilt sandpiper | M | L, Ma, W/OG | |
| Scolopacidae | <u>Calidris</u> | <u>maui</u> | Western sandpiper | M | L, Ma, Cr, W/OG | |
| Scolopacidae | <u>Calidris</u> | <u>melanotos</u> | Pectoral sandpiper | M | L, W/OG | |
| Scolopacidae | <u>Calidris</u> | <u>minutilla</u> | Least sandpiper | M | L, Ma, W/OG | |
| Scolopacidae | <u>Calidris</u> | <u>pusilla</u> | Semipalmated sandpiper | M | L, Ma, W/OG | |
| Scolopacidae | <u>Colaptes</u> | <u>serripinnatus</u> | Willet | M | Ma, L, W/OG | |
| Scolopacidae | <u>Gallinago</u> | <u>gallinago</u> | Common snipe | R | GL, Ma, W/OG, Ag | |
| Scolopacidae | <u>Limoscolopax</u> | <u>scelopacrus</u> | Long-billed dowitcher | M | L, Ma, W/OG, Cr | |
| Scolopacidae | <u>Limoscolopax</u> | <u>fedoa</u> | Marbled godwit | M | L, W/OG, Ma | |
| Scolopacidae | <u>Numenius</u> | <u>americanus</u> | Long-billed curlew | M | SgP, Cr, Wheat, Ma, L, W/OG | |
| Scolopacidae | <u>Tringa</u> | <u>flavipes</u> | Lesser yellowlegs | M | L, Ri, Ma, W/OG | |
| Scolopacidae | <u>Tringa</u> | <u>melanoleuca</u> | Greater yellowlegs | M | Ma, L, Ri, W/OG | |
| Scolopacidae | <u>Tringa</u> | <u>solitaria</u> | Solitary sandpiper | M | Aq | |
| Sittidae | <u>Certhia</u> | <u>americana</u> | Brown creeper | R | U, Rpl. | |
| Scolopacidae | <u>Actitis</u> | <u>macularia</u> | Spotted sandpiper | B | Aq | |

Table F4: (Page 7 of 8)

| Family | Genus | Species | Common Name | Status | Habitat | Observed Off/post |
|-----------|-------------------|--------------------|------------------------|--------|-----------------------|-------------------|
| Strigidae | <u>Asio</u> | <u>flammeus</u> | Short-eared owl | R | GL, Ma, Ag | |
| Strigidae | <u>Asio</u> | <u>otus</u> | Long-eared owl | R | RpL, Ag | |
| Strigidae | <u>Athene</u> | <u>cunicularia</u> | Burrowing owl | B | GL, Rodent burrows | x |
| Strigidae | <u>Bubo</u> | <u>virginianus</u> | Great horned owl | R | Ag, RpL | |
| Strigidae | <u>Otus</u> | <u>asio</u> | Eastern screech owl | R | RpL, Ag, U | |
| Strigidae | <u>Otus</u> | <u>kennicottii</u> | Western screech owl | R | RpL, Ag, U | |
| Strigidae | <u>Sturnus</u> | <u>vulgarens</u> | Starling | R, J | Ag, RpL, U | x |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | White-faced ibis | M | Ma, Ag, Ag | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Long-bill marsh wren | R | Ma | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Olive-sided flycatcher | M | Ag | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Willow flycatcher | M | RpL | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Say's phoebe | B | Ag, GL, U, RpL | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Eastern kingbird | B | Ag, RpL, U | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Western kingbird | B | Ag, RpL, U | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Cassin's kingbird | b | Ag, RpL | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Common barn owl | R | Ag, RpL, U, Buildings | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Warbling vireo | B | U | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Red-eyed vireo | B | RpL, Ag, U | |
| Strigidae | <u>Phlegopsis</u> | <u>chilii</u> | Solitary vireo | B | Ag, U | |

Status:

- B = definite breeder
- b = likely breeder
- E = endangered
- G = game
- I = introduced
- M = migrant
- n = non-breeder
- R = resident
- W = winter visitor

Habitat Type:

- GL = grassland
- SgP = short-grass prairie
- CG = cactus/grassland
- Sg/SD = shortgrass/semi-desert
- MXP = mixed grass prairie

Table F4: (Page 8 of 8)

TgP = tallgrass plains
 Ms = marshes, bogs
 W/OG = wet open ground
 OW-Ss/Ri, Ri = open water (rivers/streams)
 OW-L/R, L = lakes/reservoirs
 Ag = agricultural areas
 Cr = croplands
 U = urban
 Rpl = riparian lowland
 In = Intermittent ponds/lakes/streams
 sd = sand dunes
 cl = cliff/dirt bank/exposed bedrock

References: Environmental Science and Engineering, Inc. (ESE). 1989. Biota Remedial Investigation Final Report.
 Colorado Division of Wildlife (CDOW). 1982. Colorado Reptile and Amphibian Distribution Latilong Study. G. Hammeson and D. Langlois, Eds. GDOW
 Nongame Section.

Appendix G

COLORADO DEPARTMENT OF HEALTH
SURFICIAL SOIL ANALYTICAL DATA

Letter dated June 2, 1989, from Mr. Jeff Edson of CDH to Mr. Connally Mears of EPA Region VIII, transmitting analytical results for offpost surficial soils collected immediately north of RMA.

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STATE OF COLORADO

COLORADO DEPARTMENT OF HEALTH

4210 East 13th Avenue
Denver, Colorado 80220
Phone (303) 320-6333



Ray Romer
Governor

Thomas M. Vernon, M.D.
Executive Director

Rec. 3/13/90

June 2, 1989

Mr. Connally Mears. SHWM-SR
U. S. EPA. Region VIII
One Denver Place
999 18th Street, Suite #500
Denver, CO 80202-2413

Re: Offpost Surficial Soil Sampling North of RMA

Dear Mr. Mears:

Attached are the data for the CDH surficial soil samples collected earlier this year north of RMA at various residences in the vicinity of 96th Avenue and Peoria Street. Also enclosed is a copy of the Chain of Custody Record, a narrative describing sample locations, and a sample location map.

Two errors have been noted on the lab results from Hagar Laboratories (Report on Service Number 40289EN, March 20, 1989). After a cross-check with the field notes and chain of custody records, it was discovered that the lab misread two sample numbers. The first correction changes sample number SMAL5WB-CDH (Table 4) to SMAL4WB-CDH. The second correction changes sample number LAMB1WB-CDH (Table 8) to LAMB4WB-CDH. In addition, note that samples WERT2WB-CDH and WERT3WB-CDH are colocated duplicates and WERT-TB is a field blank.

CDH is currently calculating risks to the offpost residents exposed to contaminants identified in this sampling. Accordingly, CDH requests that before any agency of the United States or Shell Oil releases calculated risk determinations to the public, a meeting be held to discuss this issue.

Sincerely,

Jeff Edson
RMA Coordinator
Hazardous Materials and
Waste Management Division

/cf

SN 40289EN
March 20, 1989

TABLE 1

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|---------------|-------------------|---------------------|--------------------------|-------------------------------|
| SMAL1WB | AA-58148 | arsenic | 7 | |
| HA0989WB | | cadmium | 1.0 | |
| | | copper | 20 | |
| | | chromium | 14 | |
| | | lead | 60 | |
| | | mercury | ND | 0.02 |
| | | selenium | ND | 8 |
| | | zinc | 140 | |
| | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | LT(10) | |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | ND | 10 |
| | | a-endosulfan | ND | 10 |
| | | dieldrin | 90 | |
| | | 4,4'-DDE | ND | 10 |
| | | endrin | ND | 10 |
| | | b-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 10 |
| | | endosulfan sulfate | ND | 100 |
| | | 4,4'-DDT | ND | 10 |
| | | methoxychlor | ND | 1000 |
| | | alpha-chlordane | ND | 10 |
| | | gamma-chlordane | ND | 10 |
| | | toxaphene | ND | 1000 |
| | | endrin aldehyde | ND | 100 |
| | | aroclor-1016 | ND | 500 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

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TABLE 2

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|--------------------|-------------------|---------------------|--------------------------|-------------------------------|
| 7MAL2WB
40990WB | AA-58149 | arsenic | 7 | |
| | | cadmium | LT(1.0) | |
| | | copper | 20 | |
| | | chromium | 12 | |
| | | lead | 50 | |
| | | mercury | ND | 0.02 |
| | | selenium | LT(8) | |
| | | zinc | 120 | |
| | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | ND | 10 |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | ND | 10 |
| | | a-endosulfan | ND | 10 |
| | | dieldrin | 40 | |
| | | 4,4'-DDE | ND | 10 |
| | | endrin | ND | 10 |
| | | b-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 10 |
| | | endosulfan sulfate | ND | 100 |
| | | 4,4'-DDT | 120 | |
| | | methoxychlor | ND | 1000 |
| | | alpha-chlordane | ND | 10 |
| | | gamma-chlordane | ND | 10 |
| | | toxaphene | ND | 1000 |
| | | endrin aldehyde | ND | 100 |
| | | aroclor-1016 | ND | 500 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

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TABLE 3

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|---------------|-------------------|---------------------|--------------------------|-------------------------------|
| SMAL3WB-CDH | AA-58150 | arsenic | 5 | |
| | | cadmium | LT(1.1) | |
| | | copper | 10 | |
| | | chromium | 10 | |
| | | lead | 50 | |
| | | mercury | ND | 0.02 |
| | | selenium | ND | 8 |
| | | zinc | 80 | |
| | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | LT(10) | |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | ND | 10 |
| | | a-endosulfan | ND | 10 |
| | | dieldrin | 50 | |
| | | 4,4'-DDE | ND | 10 |
| | | endrin | ND | 10 |
| | | b-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 10 |
| | | endosulfan sulfate | ND | 100 |
| | | 4,4'-DDT | ND | 10 |
| | | methoxychlor | ND | 1000 |
| | | alpha-chlordane | ND | 10 |
| | | gamma-chlordane | ND | 10 |
| | | toxaphene | ND | 1000 |
| | | andrin aldehyde | ND | 100 |
| | | aroclor-1016 | ND | 500 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

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TABLE 4

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|---------------|-------------------|---------------------|--------------------------|-------------------------------|
| SMAL4WB-CDH | | | | |
| SMAL5WB-CDH | AA-58151 | arsenic | 4 | |
| | | cadmium | LT(1.0) | |
| | | copper | 10 | |
| | | chromium | 11 | |
| | | lead | 30 | |
| | | mercury | ND | 0.02 |
| | | selenium | LT(8) | |
| | | zinc | 50 | |
| | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | LT(10) | |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | ND | 10 |
| | | delta-endosulfan | ND | 10 |
| | | dieldrin | 70 | |
| | | 4,4'-DDE | ND | 10 |
| | | endrin | LT(10) | |
| | | delta-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 10 |
| | | endosulfan sulfate | ND | 100 |
| | | 4,4'-DDT | ND | 10 |
| | | methoxychlor | ND | 1000 |
| | | alpha-chlordane | ND | 10 |
| | | gamma-chlordane | ND | 10 |
| | | toxaphene | ND | 1000 |
| | | endrin aldehyde | ND | 100 |
| | | aroclor-1016 | ND | 500 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

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TABLE 5

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|-----------------------------|-------------------|---------------------|--------------------------|-------------------------------|
| OHLE3WB-CDH

CDH Only | AA-58152 | arsenic | 10 | |
| | | cadmium | LT(1.1) | |
| | | copper | 10 | |
| | | chromium | 17 | |
| | | lead | 20 | |
| | | mercury | ND | 0.02 |
| | | selenium | ND | 4 |
| | | zinc | 50 | |
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| | | | | |
| | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | LT(10) | |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | ND | 10 |
| | | a-endosulfan | ND | 10 |
| | | dieldrin | 10 | |
| | | 4,4'-DDE | ND | 10 |
| | | endrin | ND | 10 |
| | | b-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 10 |
| | | endosulfan sulfate | ND | 100 |
| | | 4,4'-DDT | ND | 10 |
| | | methoxychlor | ND | 1000 |
| | | alpha-chlordane | ND | 10 |
| | | gamma-chlordane | ND | 10 |
| | | toxaphene | ND | 1000 |
| | | endrin aldehyde | ND | 100 |
| | | aroclor-1016 | ND | 500 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

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TABLE 6

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|-----------------------------|-------------------|--------------------------|-------------------------------|-------------------------------|
| OHLE4WB-CDH

CDH only | AA-58153 | arsenic | 7 | |
| | | cadmium | LT(1) | |
| | | copper | 10 | |
| | | chromium | 13 | |
| | | lead | 20 | |
| | | mercury | ND | 0.02 |
| | | selenium | ND | 15 |
| | | zinc | 40 | |
| | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) | |
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Note: ND - not detected at the specified detection limits.

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March 20, 1989

TABLE 7

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|---------------------|-------------------|---------------------|--------------------------|-------------------------------|
| LAMB1WB
HA0993NB | AA-58154 | arsenic | 9 | |
| | | cadmium | 1.1 | |
| | | copper | 20 | |
| | | chromium | 15 | |
| | | lead | 70 | |
| | | mercury | ND | 0.02 |
| | | selenium | ND | 8 |
| | | zinc | 110 | |
| | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | ND | 10 |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | LT(10) | |
| | | a-endosulfan | ND | 10 |
| | | dieldrin | 40 | |
| | | 4,4'-DDE | ND | 10 |
| | | endrin | ND | 10 |
| | | b-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 10 |
| | | endosulfan sulfate | ND | 100 |
| | | 4,4'-DDT | ND | 10 |
| | | methoxychlor | ND | 1000 |
| | | alpha-chlordane | 40 | |
| | | gamma-chlordane | 20 | |
| | | toxaphene | ND | 1000 |
| | | endrin aldehyde | ND | 100 |
| | | aroclor-1016 | ND | 500 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

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TABLE 8

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|---------------|-------------------|----------|--------------------------|-------------------------------|
|---------------|-------------------|----------|--------------------------|-------------------------------|

→ LAMB4WB-CDH

LAMB1WB-CDH

AA-58155

| | | |
|----------|--------|------|
| arsenic | 9 | |
| cadmium | 1.0 | |
| copper | 10 | |
| chromium | LT(30) | |
| lead | 20 | |
| mercury | ND | 0.02 |
| selenium | ND | 8 |
| zinc | 90 | |

| | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
|--|--------------------------|-------------------------------|
|--|--------------------------|-------------------------------|

| | | |
|---------------------|--------|------|
| alpha-BHC | ND | 10 |
| beta-BHC | ND | 10 |
| delta-BHC | ND | 10 |
| gamma-BHC (Lindane) | ND | 10 |
| heptachlor | ND | 10 |
| aldrin | LT(10) | |
| isodrin | ND | 10 |
| heptachlor epoxide | ND | 10 |
| a-endosulfan | ND | 10 |
| dieldrin | 10 | |
| 4,4'-DDE | 20 | |
| endrin | LT(10) | |
| b-endosulfan | ND | 10 |
| 4,4'-DDD | ND | 10 |
| endosulfan sulfate | ND | 100 |
| 4,4'-DDT | 140 | |
| methoxychlor | ND | 1000 |
| alpha-chlordane | ND | 10 |
| gamma-chlordane | ND | 10 |
| toxaphene | ND | 1000 |
| endrin aldehyde | ND | 100 |
| aroclor-1016 | ND | 500 |
| aroclor-1221 | ND | 500 |
| aroclor-1232 | ND | 500 |
| aroclor-1242 | ND | 500 |
| aroclor-1248 | ND | 500 |
| aroclor-1254 | ND | 500 |
| aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

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TABLE 9

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|-----------------------------|---------------------|--------------------------|-------------------------------|-------------------------------|
| LAMB5WB-CDH

CDH only | AA-58156 | arsenic | 6 | |
| | | cadmium | ND | 0.9 |
| | | copper | 10 | |
| | | chromium | 9 | |
| | | lead | 10 | |
| | | mercury | ND | 0.02 |
| | | selenium | ND | 14 |
| | | zinc | 30 | |
| | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) | |
| | alpha-BHC | ND | 10 | |
| | beta-BHC | ND | 10 | |
| | delta-BHC | ND | 10 | |
| | gamma-BHC (Lindane) | ND | 10 | |
| | heptachlor | ND | 10 | |
| | aldrin | LT(10) | | |
| | isodrin | ND | 10 | |
| | heptachlor epoxide | ND | 10 | |
| | a-endosulfan | ND | 10 | |
| | dieldrin | LT(10) | | |
| | 4,4'-DDE | ND | 10 | |
| | endrin | LT(10) | | |
| | b-endosulfan | ND | 10 | |
| | 4,4'-DDD | ND | 10 | |
| | endosulfan sulfate | ND | 100 | |
| | 4,4'-DDT | ND | 10 | |
| | methoxychlor | ND | 1000 | |
| | alpha-chlordane | ND | 10 | |
| | gamma-chlordane | ND | 10 | |
| | toxaphene | ND | 1000 | |
| | endrin aldehyde | ND | 100 | |
| | aroclor-1016 | ND | 500 | |
| | aroclor-1221 | ND | 500 | |
| | aroclor-1232 | ND | 500 | |
| | aroclor-1242 | ND | 500 | |
| | aroclor-1248 | ND | 500 | |
| | aroclor-1254 | ND | 500 | |
| | aroclor-1260 | ND | 500 | |

Note: ND - not detected at the specified detection limits.

SN 40289EN
March 20, 1989

TABLE 10

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) | |
|-----------------------------|-------------------|---------------------|--------------------------|-------------------------------|-------------------------------|
| WERT2WB-CDH

CDH only | AA-58157 | arsenic | LT(5) | | |
| | | cadmium | ND | 1 | |
| | | copper | 7 | | |
| | | chromium | 7 | | |
| | | lead | 10 | | |
| | | mercury | ND | 0.02 | |
| | | selenium | ND | 14 | |
| | | zinc | 30 | | |
| | | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | | | | |
| | | alpha-BHC | ND | 10 | |
| | | beta-BHC | ND | 10 | |
| | | delta-BHC | ND | 10 | |
| | | gamma-BHC (Lindane) | ND | 10 | |
| | | heptachlor | ND | 10 | |
| | | aldrin | LT(10) | | |
| | | isodrin | ND | 10 | |
| | | heptachlor epoxide | ND | 10 | |
| | | a-endosulfan | ND | 10 | |
| | | dieldrin | 10 | | |
| | | 4,4'-DDE | ND | 10 | |
| | | endrin | LT(10) | | |
| | | b-endosulfan | ND | 10 | |
| | | 4,4'-DDD | ND | 10 | |
| | | endosulfan sulfate | ND | 100 | |
| | | 4,4'-DDT | LT(10) | | |
| | | methoxychlor | ND | 1000 | |
| | | alpha-chlordane | ND | 10 | |
| | | gamma-chlordane | ND | 10 | |
| | | toxaphene | ND | 1000 | |
| | | endrin aldehyde | ND | 100 | |
| | | aroclor-1016 | ND | 500 | |
| | | aroclor-1221 | ND | 500 | |
| | | aroclor-1232 | ND | 500 | |
| | | aroclor-1242 | ND | 500 | |
| | | aroclor-1248 | ND | 500 | |
| | | aroclor-1254 | ND | 500 | |
| | | aroclor-1260 | ND | 500 | |

Note: ND - not detected at the specified detection limits.

SN 40289EN
March 20, 1989

TABLE 11

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|---------------|-------------------|---------------------|--------------------------|-------------------------------|
| WERT3WB-CDH | AA-58158 | arsenic | LT(5) | |
| | | cadmium | ND | 1 |
| | | copper | 6 | |
| | | chromium | 6 | |
| | | lead | 10 | |
| | | mercury | ND | 0.02 |
| | | selenium | ND | 15 |
| | | zinc | 20 | |
| | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | LT(10) | |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | ND | 10 |
| | | a-endosulfan | ND | 10 |
| | | dieldrin | LT(10) | |
| | | 4,4'-DDE | ND | 10 |
| | | endrin | LT(10) | |
| | | b-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 10 |
| | | endosulfan sulfate | ND | 100 |
| | | 4,4'-DDT | LT(10) | |
| | | methoxychlor | ND | 1000 |
| | | alpha-chlordane | ND | 10 |
| | | gamma-chlordane | ND | 10 |
| | | toxaphene | ND | 1000 |
| | | endrin aldehyde | ND | 100 |
| | | aroclor-1016 | ND | 500 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

Duplicate of
Wert 2WB-CDH
(co-located duplicate)

LN 40289EN
March 20, 1989

TABLE 12

| Sample Number | Hager Reference # | Analysis | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
|---------------|-------------------|---------------------|--------------------------|-------------------------------|
| WERT-TB | AA-58159 | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | ND | 10 |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | ND | 10 |
| | | alpha-endosulfan | ND | 10 |
| | | dieldrin | ND | 10 |
| | | 4,4'-DDE | ND | 10 |
| | | endrin | ND | 10 |
| | | beta-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 10 |
| | | endosulfan sulfate | ND | 100 |
| | | 4,4'-DDT | ND | 10 |
| | | methoxychlor | ND | 1000 |
| | | alpha-chlordane | ND | 10 |
| | | gamma-chlordane | ND | 10 |
| | | toxaphene | ND | 1000 |
| | | endrin aldehyde | ND | 100 |
| | | aroclor-1016 | ND | 300 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

SN 40289EN
March 20, 1989

TABLE 13

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|---------------|-------------------|---------------------|--------------------------|-------------------------------|
| COLL1WB | AA-5B160 | arsenic | 10 | |
| | | cadmium | LT(1) | |
| | | copper | 10 | |
| | | chromium | LT(15) | |
| | | lead | 20 | |
| | | mercury | ND | 0.02 |
| | | selenium | ND | 14 |
| | | zinc | 40 | |
| | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | LT(10) | |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | ND | 10 |
| | | a-endosulfan | ND | 10 |
| | | dieldrin | 20 | |
| | | 4,4'-DDE | ND | 10 |
| | | endrin | ND | 10 |
| | | b-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 100 |
| | | endosulfan sulfate | ND | 10 |
| | | 4,4'-DDT | ND | 1000 |
| | | methoxychlor | ND | 10 |
| | | alpha-chlordane | ND | 10 |
| | | gamma-chlordane | ND | 1000 |
| | | toxaphene | ND | 100 |
| | | endrin aldehyde | ND | 500 |
| | | aroclor-1016 | ND | 500 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

SN 40289EN
March 20, 1989

TABLE 14

| Sample Number | Hager Reference # | Analysis | Concentration
(mg/kg) | Detection
Limit
(mg/kg) |
|-----------------------------|-------------------|---------------------|--------------------------|-------------------------------|
| COLL2WB-CDH

CDH only | AA-58161 | arsenic | 12 | |
| | | cadmium | LT(1) | |
| | | copper | 10 | |
| | | chromium | 16 | |
| | | lead | 20 | |
| | | mercury | ND | 0.02 |
| | | selenium | ND | 30 |
| | | zinc | 50 | |
| | | | | |
| | | | | |
| | | | Concentration
(ug/kg) | Detection
Limit
(ug/kg) |
| | | alpha-BHC | ND | 10 |
| | | beta-BHC | ND | 10 |
| | | delta-BHC | ND | 10 |
| | | gamma-BHC (Lindane) | ND | 10 |
| | | heptachlor | ND | 10 |
| | | aldrin | LT(10) | |
| | | isodrin | ND | 10 |
| | | heptachlor epoxide | ND | 10 |
| | | a-endosulfan | ND | 10 |
| | | dieldrin | LT(10) | |
| | | 4,4'-DDE | ND | 10 |
| | | andrin | LT(10) | |
| | | b-endosulfan | ND | 10 |
| | | 4,4'-DDD | ND | 10 |
| | | endosulfan sulfate | ND | 100 |
| | | 4,4'-DDT | ND | 10 |
| | | methoxychlor | ND | 1000 |
| | | alpha-chlordane | ND | 10 |
| | | gamma-chlordane | ND | 10 |
| | | toxaphene | ND | 1000 |
| | | andrin aldehyde | ND | 100 |
| | | aroclor-1016 | ND | 500 |
| | | aroclor-1221 | ND | 500 |
| | | aroclor-1232 | ND | 500 |
| | | aroclor-1242 | ND | 500 |
| | | aroclor-1248 | ND | 500 |
| | | aroclor-1254 | ND | 500 |
| | | aroclor-1260 | ND | 500 |

Note: ND - not detected at the specified detection limits.

SN 40289EN
March 20, 1989

TABLE 15

Non-Aqueous Surrogate Percent Recovery Summary

| Surrogate Name: | DBC |
|-----------------|------|
| Sample Numbers: | |
| AA-58148 | 104% |
| AA-58148 Dup. | 73% |
| AA-58149 | 89% |
| AA-58150 | 70% |
| AA-58151 | 80% |
| AA-58152 | 73% |
| AA-58153 | 85% |
| AA-58154 | 75% |
| AA-58155 | 74% |
| AA-58156 | 72% |
| AA-58157 | 84% |
| AA-58158 | 62% |
| AA-58158 Dup | 80% |
| AA-58159 | 100% |
| AA-58160 | 76% |
| AA-58161 | 44% |
| AA-58161 MS | 33% |
| AA-58161 MSD | 9% |

OFFPOST CDH SURFICIAL SOIL SAMPLING
NORTH OF RMA
February 24, 1989

Description of sample locations:

Smalldone Residence

1. Smal 1wb (co-located) south side of house, 18" from foundation, below window.
2. Smal 2wb (co-located) 10 ft. from east side of house, 3 ft. south of patio in flowerbed area.
3. Smal 3wb (CDH) backyard, 8 ft. east of tree, 20 ft. south of barn.
4. Smal 4wb (CDH) southeast area of yard, 20 ft. north of front (south) fence, 25 ft. west of east fence.

Ohle Residence

1. Ohle 1wb (Army), backyard, in corner, on southwest side of workshed.
2. Ohle 2wb (Army), backyard, west side of property, 250 ft. northwest of house, on west side of dog pens.
3. Ohle 3wb (CDH), southwest corner of front yard approximately 16 ft. north of 96th Avenue, 20 ft. east of west property line.
4. Ohle 4wb (CDH), front yard, 12' east of driveway entrance, 20 ft. north of 96th Avenue.

Lambert Residence

1. Lamb 1wb (co-located) near southwest corner of house.
2. Lamb 2wb (Army) near west boundary property line, approximately 60 ft. north of 96th Avenue.
3. Lamb 3wb, same locality as #2 - duplicate.
4. Lamb 4wb (CDH) near center of backyard garden.
5. Lamb 5wb (CDH), northeastern area of backyard, near flood plain boundary.
6. Lamb 6wb, ^{AKW} between Lambert and Smalldone residence, in field.

Werth Residence

1. Wert 1wb (Army), backyard between work sheds.
2. Wert 2wb (CDH), front yard, approximately 50 ft. east of driveway, 10 ft. south of pine tree.
3. Wert 3wb (CDH), same location as #2 - duplicate.

Collins Residence

1. Coll 1wb (co-located), 25 ft. west of front yard.
2. Coll 2wb (CDH), approximately 100 ft. north of house, in grassy area of field.

Spencer Property

1. Spen 1wb (Army), even with Collins' house, midway between Collins and Ohle residences (in open field).



11224 East Colfax Avenue
Boulder, Colorado 80111
303 790 2727/800 252-1235
FAX # 303 790 2726

REPORT ON SERVICE NUMBER 40289EN
March 20, 1989

Customer Project Code:

To: Mr. Chris Dacey
GeoTrans
3300 Mitchell, Suite 250
Boulder, CO 80301

Analysis: The following samples were submitted for analysis:
Thirteen soil samples for arsenic, cadmium, copper, chromium, lead, mercury, selenium, zinc, and EPA Method 8080.
One water sample for arsenic, cadmium, copper, chromium, lead, mercury, selenium, zinc, and EPA Method 8080.

Method: METALS
A measured aliquot of the sample material was acid-ashed and diluted to a known volume. The quantity of the metal of interest was determined by atomic absorption spectroscopy. The absorbance readings for each sample were compared to a calibration curve obtained from standard metal solutions.

MERCURY
A measured aliquot of sample was digested with acid, potassium permanganate and potassium persulfate solutions in a hot water bath. The dissolved mercury was reduced to the vapor state and analyzed with flameless atomic absorption spectroscopy. Mercury concentration was determined by comparison to standard mercury solutions.

EPA Method 8080: Organochlorine Pesticides and/or PCB's
30 grams of soil is extracted with a solvent using a soxhlet extractor for 24 hours. The extract is dried, concentrated and exchanged for hexane. The pesticides and PCB's of interest are then determined by gas chromatography employing an electron capture detector by comparison to known concentrations of pesticides and PCB's.

Results: The results are found on Tables 1 through 16.

Discussion: The water sample was analyzed as if it was a soil per clients request.

LT() indicates "less than" with the lower limit of quantification shown in parentheses.

All samples for metal analysis have been corrected for the blank values found in sample WERT-TB (AA-58159).

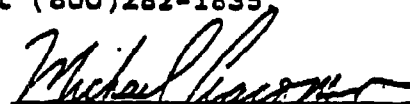
Page 2, SN 40289EN
GeoTrans
March 20, 1989

Discussion Hager Laboratories, Inc., has been AIHA accredited since
(cont.) 1977.

Laboratory data are filed and available upon request.

If you have any questions, please contact Harry Borg, of our
Technical Services Department, at (303)790-2727 or toll free
at (800)282-1835.

Submitted by:


Michael Aaronson, Ph.D.
Environmental Chemistry Manager

MA/sn

SN 40289EN
March 20, 1989

TABLE 16

Non-Aqueous Matrix Spike/Duplicate Matrix Spike Recovery

| Compound | Spiked Sample Result (SSR) (ug) | Duplicate Spiked Sample Result (ug) | Sample Result (SR) (ug/g) | Spike Amount Added (SA) (ug) | Spiked Sample % Recovery | Duplicate Spiked Sample % Recovery |
|------------|---------------------------------|-------------------------------------|---------------------------|------------------------------|--------------------------|------------------------------------|
| g-BHC | 0.18 | off scale | ND | 0.2 | 90 | peak off scale |
| heptachlor | 0.16 | 0.14 | ND | 0.2 | 80 | 70 |
| aldrin | 0.18 | off scale | 0.001 | 0.2 | 90 | peak off scale |
| dieldrin | 0.21 | 0.02 | 0.005 | 0.5 | 41 | 3 |
| endrin | 0.33 | 0.60 | 0.001 | 0.5 | 86 | 113 |
| DDT | 0.138 | 0.154 | ND | 0.5 | 277 | 154 |

ENVIRONMENTAL CHAIN-OF-CUSTODY RECORD

Service Number 40289EJ

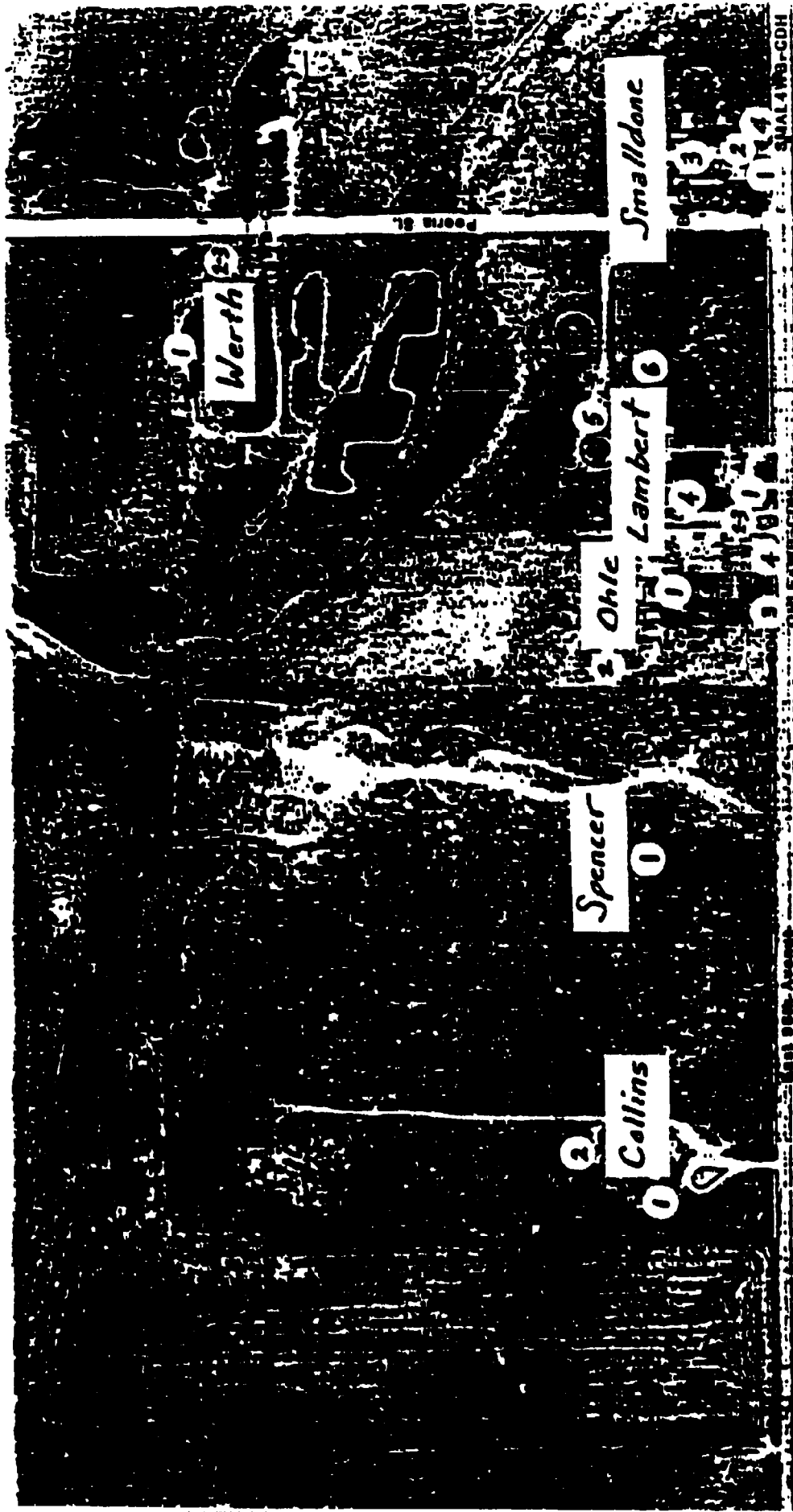
| Client Name | | Client Address | | | | | | | | | |
|-------------------------|--------------------------|----------------------|--------------------------|---------------------|---------------------------|---------------|---------------------|-------------------------------------------|-------------|----------------|-------------|
| <u>Geotronics Inc</u> | | <u>Boulder, CO</u> | | | | | | | | | |
| Client Sample Number | Laboratory Sample Number | Number of Containers | Size & Type of Container | Sample Preservative | Sample Matrix Description | Scale Intact? | Condition of Sample | Transfer Number (check items transferred) | Received By | Date | Time |
| <u>Small 100g</u> | <u>58151</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>1:30</u> |
| <u>Small 100g</u> | <u>58149</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>5:00</u> |
| <u>Small 100g - CDH</u> | <u>58150</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g - CDH</u> | <u>58151</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g - CDH</u> | <u>58152</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g - CDH</u> | <u>58153</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g</u> | <u>58154</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g - CDH</u> | <u>58155</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g - CDH</u> | <u>58156</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g - CDH</u> | <u>58157</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g - CDH</u> | <u>58158</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g - CDH</u> | <u>58159</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g</u> | <u>58160</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Water</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |
| <u>Small 100g - CDH</u> | <u>58161</u> | <u>1</u> | <u>100g poly</u> | <u>4°C</u> | <u>Soil</u> | <u>Intact</u> | <u>Intact</u> | <u>1-1</u> | <u>✓</u> | <u>2/24/89</u> | <u>7:45</u> |

Signature of Sampler C. D. Dyer Print Last Name OACBY

Date of Sampling 2/24/89 Samples Shipped to Lab By Cur Date Shipped 2/24/89

Samples Relinquished to Lab By C. D. Dyer Date 2/24/89

Samples Received at Lab By A. P. Dyer Date 2/24 2:00



Peoria St.

Small done

Ohle

Lambert

Spencer

Collins

Werth

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SMAL 4193-CDH

Location of Coll.

February 1966 Gullfield

Soil Sampling Program

Equipment System

PLASTER LABORATORIES, INC.

10

•

Baldwin, CO

| Client Sample Number | Laboratory Sample Number | Number of Containers | Size & Type of Containers | Sample Preservative | Sample Matrix Description | Seals Intact? | Condition of Sample | Transfer Number (check items transferred) | |
|----------------------|--------------------------|----------------------|---------------------------|---------------------|---------------------------|---------------|---------------------|-------------------------------------------|---|
| WAL 122-B | | 1 | 2 oz glass | 4°C | soil | | | 1 | 1 |
| WAL 122-B | | 1 | water bottle | 4°C | Soil | | | 2 | |
| WAL 122-B-COI | | 1 | lids | 4°C | Soil | | | 3 | |
| WAL 122-B-COI | | 1 | " | 4°C | Soil | | | 4 | |
| WAL 122-B-COI | | 1 | " | 4°C | soil | | | 5 | |
| WAL 122-B-COI | | 1 | " | 4°C | Soil | | | 6 | |
| WAL 122-B | | 1 | " | 4°C | Soil | | | 7 | |
| WAL 122-B-COI | | 1 | " | 4°C | Soil | | | 8 | |
| WAL 122-B-COI | | 1 | " | 4°C | Soil | | | 9 | |
| WAL 122-B-COI | | 1 | " | 4°C | Soil | | | 10 | |
| WAL 122-B-COI | | 1 | " | 4°C | Soil | | | 11 | |
| WAL 122-B | | 1 | " | 4°C | Water | | | 12 | |
| WAL 122-B | | 1 | " | 4°C | Soil | | | 13 | |
| WAL 122-B-COI | | 1 | " | 4°C | Soil | | | 14 | |

Signature of Sampler *C. H. Davis*

Print Last Name **DACEY**

Bullington 30 Oct
68/472
Sampled to podding soldiers
AS 472 at podding soldiers
JCS
Date 30 Oct 1968
68/472

samples relinquished to Lab by C. Dacey

Sample received at Lab By A. J. A.

1-507

Appendix H

ANALYTICAL RESULTS FOR ADDITIONAL OFFPOST SURFICIAL SOIL SAMPLES
COLLECTED BY WOODWARD-CLYDE FEDERAL SERVICES (WCFS), MAY 1991

Table H1 Analytical Results for Surficial Soils Samples *

| Sample ID
Date | 010F01
05/21/91 | 020F01
05/21/91 | 030F01
05/20/91 | 100F01
05/20/91 |
|--------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| Analytes | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | 0.00418 | 0.0247 | 0.00986 | 0.180 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) | < 0.00466 | 0.0144 | < 0.00466 | 0.260 |
| Aldrin (GCMS) | < 0.00211 | < 0.00211 | < 0.00211 | < 0.00211 |
| Chlordane (GCMS) | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Dieldrin (GCMS) | < 0.00181 | 0.0236 | 0.00205 | 0.00358 |
| Endrin (GCMS) | < 0.00471 | 0.00919 | < 0.00471 | 0.00980 |
| Hexachlorocyclopentadiene (GCMS) | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Isodrin (GCMS) | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that target analyte was detected at or above the Maximum Reporting Limit.

* -- Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde - Federal Services.

NA -- Not Analyzed.

Table H1 Analytical Results for Surficial Soils Samples *

| Sample ID
Date | 100F02
05/21/91 | 100F03
05/21/91 | 100F04
05/21/91 | 110F01
05/21/91 |
|--------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| Analytes | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GCMS) | 0.0395 | 0.0695 | 0.00547 | 0.0589 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) (GCMS) | 0.130 | 0.0167 | < 0.00466 | 0.0640 |
| Aldrin (GCMS) | < 0.00211 | < 0.00211 | < 0.00211 | < 0.00211 |
| Chlordane (GCMS) | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Dieldrin (GCMS) | 0.00399 | 0.0135 | 0.00215 | 0.0227 |
| Endrin (GCMS) | 0.00621 | 0.0402 | 0.0135 | 0.0147 |
| Hexachlorocyclopentadiene (GCMS) | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Isodrin (GCMS) | < 0.00188 | < 0.00188 | < 0.00188 | 0.00220 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that target analyte was detected at or above the Maximum Reporting Limit.

* -- Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde - Federal Services.

Table H1 Analytical Results for Surficial Soils Samples *

| Sample ID
Date | 110F02
05/21/91 | 120F01
05/20/91 | 130F01
05/20/91 | 140F01
05/20/91 |
|--------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| Analytes | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (001) (GCMS) | 0.00937 | < 0.00277 | < 0.00277 | 0.00700 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (00E) (GCMS) | < 0.00466 | < 0.00466 | < 0.00466 | < 0.00466 |
| Aldrin (GCMS) | < 0.00211 | < 0.00211 | < 0.00211 | 0.00407 |
| Chlordane (GCMS) | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Dieldrin (GCMS) | 0.00451 | 0.00260 | 0.00744 | 0.0582 |
| Endrin (GCMS) | < 0.00471 | < 0.00471 | < 0.00471 | 0.00946 |
| Hexachlorocyclopentadiene (GCMS) | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Isodrin (GCMS) | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that target analyte was detected at or above the Maximum Reporting Limit.

* -- Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde - Federal Services.

NA -- Not Analyzed.

Table #1 Analytical Results for Surficial Soils Samples *

| Sample ID
Date | 140F02
05/20/91 | 150F01
05/20/91 | 150F02
05/20/91 | 160F01
05/20/91 |
|--------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| Analytes | | | | |
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) | < 0.00277 | < 0.00277 | 0.0589 | 0.0388 |
| 2,2-Bis(parachlorophenyl)-1,1,1-Dichloroethane (DDE) (GCMS) | < 0.00466 | < 0.00466 | < 0.00466 | 0.0857 |
| Aldrin (GCMS) | < 0.00211 | < 0.00211 | < 0.00211 | < 0.00211 |
| Chlordane (GCMS) | < 0.0230 | < 0.0230 | < 0.0230 | < 0.0230 |
| Dieldrin (GCMS) | 0.0155 | 0.00877 | 0.0320 | 0.00431 |
| Endrin (GCMS) | 0.00564 | < 0.00471 | 0.0107 | 0.00667 |
| Hexachlorocyclopentadiene (GCMS) | < 0.00137 | < 0.00137 | < 0.00137 | < 0.00137 |
| Isodrin (GCMS) | < 0.00188 | < 0.00188 | < 0.00188 | < 0.00188 |

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that target analyte was detected at or above the Maximum Reporting Limit.

* -- Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde - Federal Services.

Table H1 Analytical Results for Surficial Soils Samples *

Sample ID 220601
Date 05/20/91

| Analytes | |
|--------------------------------------------------------------|-----------|
| 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) (GCMS) | 0.00825 |
| 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDD) (GCMS) | < 0.00466 |
| Aldrin (GCMS) | < 0.00211 |
| Chlordane (GCMS) | < 0.0230 |
| Dieldrin (GCMS) | 0.0109 |
| Endrin (GCMS) | < 0.00471 |
| Hexachlorocyclopentadiene (GCMS) | < 0.00137 |
| Isodrin (GCMS) | < 0.00188 |

Notes: Values are reported in micrograms per gram.
Reported values are accurate to three significant figures.
< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
> -- indicates that target analyte was detected at or above the Maximum Reporting Limit.
* -- Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde - Federal Services.
NA -- Not Analyzed.